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• • • *Food Will Win the War and Dictate the Peace* • • •

OWN a **Home Victory Garden** like this, where Staigreen turf separates the sections; enjoy its enormous yield, its dividends in health and interest. If your plot is around 50 by 25 feet, send for Collection D (\$5 for 30 kinds of seed). Order Collection A (\$1 for 12 kinds) if it is 20 by 25 feet or less. Interesting details on page 2.

SEED ANNUAL for 1943

Stumpp & Walter Co

NEW YORK CITY



31679-
31684

This Year Plant A GARDEN FULL of Vegetables

**Garden Full
Collection A**

\$1.00

One pkt. each of these 12 vegetables. Ideal for a garden of about 500 square feet (say 20 x 25 feet).

ORDER THESE HIGH-QUALITY SEEDS
SEPARATELY OR IN A COLLECTION



RUBICORE CARROT
Pkt. 15 cts., 1/2 oz.
35 cts., oz. 65 cts.



**GOLDEN CROSS BANTAM
CORN**

Pkt. 15 cts., 1/2 lb. 40 cts., lb. 75 cts.



BOUNTIFUL BUSH BEANS
Pkt. 10 cts., 1/2 lb. 30 cts.,
lb. 50 cts.

**Garden Full
Collection B**

\$2.75

Catalogue Value \$3.25

Half-pound each of the Corn, Beans, and Peas, 1 oz. each Radish and Spinach, 1/2 oz. each Carrot, Beet, and Swiss Chard, pkt. each Lettuce and Tomato. Fills a garden of 1000 to 1500 square feet (say 20 x 50 or 30 x 50 feet).



BRITTLE WAX BEANS
Pkt. 15 cts., 1/2 lb. 30 cts.,
lb. 55 cts.



EARLY GIANT BUSH LIMA
Pkt. 15 cts., 1/2 lb.
30 cts., lb. 55 cts.



SAWCO WONDER BEET
Pkt. 15 cts., 1/2 oz. 30 cts., oz. 50 cts.



GREEN LYON SWISS CHARD
Pkt. 10 cts., 1/2 oz. 20 cts.,
oz. 35 cts.



SCARLET GLOBERADISH
Pkt. 10 cts., oz. 25 cts.,
1/4 lb. 65 cts.

**Garden Full
Collection C**

\$4.25

Catalogue Value \$5.15

Pound each Beans and Peas, 1/2 lb. Corn, 1 oz. each Carrot, Beet, Swiss Chard, Radish, Lettuce, and Spinach, pkt. Tomato. Fills a garden of 1500 to 3000 square feet (say 20 x 75 or 40 x 75 feet).



**NEW YORK or WONDERFUL
LETTUCE NO. 12**
Pkt. 15 cts., 1/2 oz. 30 cts., oz. 50 cts.



LITTLE MARVEL PEA
Pkt. 10 cts., 1/2 lb.
25 cts., lb. 45 cts.



VICTOR TOMATO
Pkt. 20 cts., 1/2 oz. 60 cts., oz. \$1.



BLOOMSDALE SAVOY SPINACH
Pkt. 10 cts., oz. 25 cts., 1/4 lb. 65 cts.

CULTURAL DIRECTIONS ON EACH PACKET

A WARTIME MESSAGE TO OUR FRIENDS



YOU will observe that this, our 45th Annual Catalogue, is smaller than for some years—32 pages less. This reduction is made in the interest of conservation of paper, electrotype metal and printing. But we believe you will find it interesting as ever, and we ask you to retain it for future reference; regulations may cause our next Annual Catalogue to be even smaller, omitting illustrations and cultural notes.

This year the accent is on growing food—vegetables and fruit. From the gardens of our country will come thousands of tons of extra food added to the nation's food supply in 1943.

The food we grow ourselves needs no ration book, and we should take every opportunity to produce all we can, fresh and vitamin-full as it will be; for every pound we grow releases a pound of something else for our fighting men and our allies, and since it grows at our door and does not have to be brought to us, it makes truck and railroad space available for the transport of vital war supplies. Not to neglect entirely gardening's esthetic side, we must continue to keep America the beautiful country it is, making our lawns and planting our flowers as usual.

May we make a special plea for early orders? Scarcities and freezings happen with little warning. To insure a good garden this year we urge that you order now—by telegram, telephone or airmail if you will. Delivery will be made at once, should you so instruct, or at the proper planting season—seeds in winter, plants at setting-out time.

May we thank you for your patronage in the past, and tell you how anxious we are to continue serving you?

January 2, 1943.

G. O. Stumpp
President

Serving Their Country . . .

Our due proportion of men are in the armed forces, including our Vice-President and Treasurer, Capt. Willard L. Isaacs, serving in the Air Corps.

Civil Defense . . .

Numbers of our men and women have trained in their spare time to go out into the night to the aid of their neighbors, as air-raid wardens, spotters, nurses' aids, messengers and auxiliary policemen. Others are donating blood regularly to the Red Cross.

Our modern steel and concrete building has been designated an Approved Air-Raid Shelter, where the public will be safe against anything but a direct hit, should New York be subjected to bombing.

NON-WARRANTY

We, Stumpp & Walter Co., give no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants we sell and will not be in any way responsible for the crop. Our liability in all instances is limited to the purchase price of the seeds, bulbs or plants.

PRICE CEILINGS

We certify that the prices listed for items subject to PRICE CEILINGS are not in excess of the legal maxima as established by the Office of Price Administration.

Prices of other items are subject to change, as also are unit sizes.

FREE DELIVERY WE DELIVER all merchandise within 50 miles of New York, except Chemicals, Fertilizers, Hardware, Roots, Nursery Stock, Potatoes, and Farm Seeds, the total value of which is \$2 or less, and except Epicure Foods and Vegetable Plants of which the total value is \$3.50 or less. Beyond 50 miles, we deliver Grass, Flower and Vegetable Seeds, Bulbs, and Books. Purchaser pays transportation on all other merchandise beyond 50 miles; also on heavy merchandise within 50 miles if of low value, as detailed above.

Stumpp & Walter Co.

GEORGE O. STUMPP, President
WILLIAM A. SPERLING, Vice-Pres.
WILLARD L. ISAACS, Vice-Pres. & Treas.
THOMAS F. KEARNEY, Sec'y & Asst. Treas.
ALEX. E. SEHLMAYER, Asst. Sec'y

BRANCH STORES: White Plains, N. Y., Newark, N. J., Stamford, Conn., Hempstead, L. I., Englewood, N. J.

NEW YORK PHONES: Barclay 7-1110 (Ten trunk lines)

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R. A. F. Gardeners.
To those who never find time to do everything that needs to be done there is a lesson in the farming activities of the R. A. F. The R. A. F. has a main job and a big one, so big that it might excuse it from doing anything else. Yet its horticultural department recently reported that it had 3,500 acres under cultivation in 1942. Small areas included in the service are cultivated by members. Some larger outlying areas are cultivated by arrangement with farmers. Most of the plots are devoted to vegetables," but there is enough variety to permit an exhibit of vegetables and fruits and to justify the award of a special medal by the Royal Horticultural Society. Getting the wrath of the R. A. F. might be difficult to persuade that the men who inhabit their skies have time to grow vegetable marrow, but somebody in the R. A. F. makes time for this saving and healing avocation.

Noted in the
"New York Sun" of Nov. 24,
1942. If these boys can find time
to grow things, surely we can, too.

We submit, for your consideration, the NEWEST and BEST in		Pages
Vegetable Seeds		2- 19
Farm Seeds		20- 22
Grass Seeds		23- 28
Flower Seeds		29- 58
Bulbs		59- 68
Roses		69- 72
Perennials		73- 85
Perfumes by Atkinson		84
Aquatics		86
Climbers, Shrubs		87- 89
Fruits, Trees, Bushes		90- 92
Epicure Food Products		93- 95
Implements		96-107
Fertilizers		108
Insecticides, Fungicides		109-110
Books		111
Order Sheet		115

Sow the
SEED OF FREEDOM



Plant a
VICTORY GARDEN

132-138 Church Street
(At Warren Street)
NEW YORK CITY
Near City Hall and Brooklyn Bridge



VEGETABLES

for Vitamins and Victory!

**HOME-GROWN FOOD
AIDS THE WAR EFFORT**

BESIDE being a praiseworthy thing to do, the effort to add to the Nation's food supply is actual physical exercise, and it helps to keep you fit.

The products of your own garden are **better for you** than those you buy, because vegetables contain the most vitamins when they are fresh. Children especially should be given food from the garden in abundance and in as wide a variety as possible.

Everyone knows that newly gathered vegetables have far **more flavor** than those that are days old; think of the corn, peas and beans that are so superior when fresh picked that they are entirely different.

Most commercial crops intentionally are harvested before they are quite ready; this is to allow them to mature on the journey from the field to your table. Yours are ripening on the plant up to the hour that you use them and are **more health-giving**. They contain more vitamins.

You may have been told that vegetables are so cheap it does not pay to grow them, but this is no longer true; vegetable-growing is profitable, even on a basis of dollars and cents. And our Government urges you to grow flowers also, just as you have done in peace-time; grow them for their beauty, their fragrance and quiet calm.

ABOUT THE PICTURE ON OUR FRONT COVER

The 1942 Home Victory Garden occupies about 1250 square feet and on it a heavy yield of many kinds of vegetables was raised. By planting something else immediately after one vegetable was harvested, two crops in the season were gathered from approximately half the area.

In laying it out, appearance was combined with utility. Tomatoes were trained on the fence; feathery carrot tops, curled parsley, Swiss chard and colorful peppers were placed to best advantage; narrow grass paths were installed and kept mown, and sweet alyssum was sown as an edging. You will have a vegetable garden, and possibly you will decorate it with flowers; but how about reversing the process and growing some extra **vegetables** among your flower-beds or perennial borders?

The Vitamins That Are in Vegetables, What They Do for You

- A** Maintains normal night vision, helps the body fight sinus and similar infections, promotes growth and vigor. Deficiency in Vitamin A causes a lowered resistance to sickness.
- B** Imparts energy, steady nerves and proper digestion. A shortage causes the diseases, Beriberi and Pellagra.
- C** Helps the young by building good bones and teeth, the aged by keeping arteries and capillaries elastic. An absence causes scurvy and tooth-decay.
- G** Aids growth and promotes a healthy skin. Deficiency causes the disease Cheilosis.

WHAT THE MINERALS DO FOR YOU. **Calcium** builds bones and teeth; deficiency causes rickets, sleeplessness, nervousness. **Phosphorus** builds bones, muscle, brain. **Iron** and **Copper** necessary for rich blood; deficiency causes anemia.

Subsistence Garden Collection D

Thirty distinct units of seed, supplying the major high-nutrition vegetables for a family of two to four.

Beans		Lettuce	
1/2 lb. Green Bush	Pkt. Spring Head	Pkt. Spring Head	Pkt. Spring Head
1/2 lb. Bush for canning	Pkt. Autumn Head	Pkt. Autumn Head	Pkt. Autumn Head
1/2 lb. Wax-Pod Bush	Pkt. Romaine	Pkt. Romaine	Pkt. Romaine
1 lb. Dwarf Lima	Pkt. Curly All-Leaf	Pkt. Curly All-Leaf	Pkt. Curly All-Leaf
Oz. Early Beet	Pkt. Curled Parsley	Pkt. Curled Parsley	Pkt. Curled Parsley
Oz. Main-crop Beet	Oz. Parsnip	Oz. Parsnip	Oz. Parsnip
Pkt. Early Cabbage	Pkt. Round Radish	Pkt. Round Radish	Pkt. Round Radish
Pkt. Late Cabbage	Pkt. Long Radish	Pkt. Long Radish	Pkt. Long Radish
Pkt. Early Carrot	Pkt. Rutabaga	Pkt. Rutabaga	Pkt. Rutabaga
Pkt. Late Carrot	Pkt. Spring Spinach	Pkt. Spring Spinach	Pkt. Spring Spinach
Pkt. Midget Corn	Pkt. Summer Spinach	Pkt. Summer Spinach	Pkt. Summer Spinach
Pkt. Golden Cross	Oz. New Zealand	Oz. New Zealand	Oz. New Zealand
Bantam Corn	Pkt. Spinach	Pkt. Spinach	Pkt. Spinach
Pkt. Cucumber	Oz. Swiss Chard	Oz. Swiss Chard	Oz. Swiss Chard
Oz. Endive	Pkt. Tomato	Pkt. Tomato	Pkt. Tomato
Pkt. Onion	Pkt. Turnip	Pkt. Turnip	Pkt. Turnip

Sufficient seed to allow for companion and succession crops, getting the maximum yield from a garden of approximately 1250 sq. ft., say 25 by 50 ft. Planting plan enclosed in this collection is shown; directions also accompany seed.

Delivered anywhere in the U. S.
(Catalogue value \$5.80) **\$5.00**
Send \$5.75 if you wish 1/4 oz. Sweet Alyssum and 1 lb. Staigreen Lawn Seed added to your vegetable seeds.

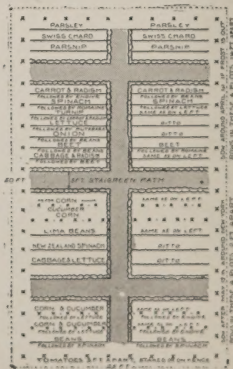
Other Vegetable Seed Collections on inside front cover

OUR GARDEN PLANS show how the most food can be produced on a small area. With wider rows and without companion and succession crops, a space several times the size indicated could be planted with these collections.

Instructions and a Plan

like this (but larger) enclosed with each Collection

Grass paths, edged with flowers are optional; they add charm, but increase the work. Omit them if you prefer.



Vitamin-filled Snap Beans

½ lb. equals about ½ pint; 1 lb. equals about 1 pint; 2 lbs. equal about 1 quart; 15 lbs. equal about 1 peck.

Bush Beans

Sow twice monthly for succession; you will then gather all summer

One pound will plant 100 feet of drill

CULTURE. Plant as soon as danger of frost is over, placing the seeds 2 inches apart in drills and about 2½ inches deep. Thin to 4 inches from plant to plant. The rows should be about 2½ feet apart, and the soil slightly hilled, to insure good drainage and to keep the Beans from touching the ground. Most Beans should be picked when about 4 inches long. Avoid cultivating, walking among or picking when bushes are wet.

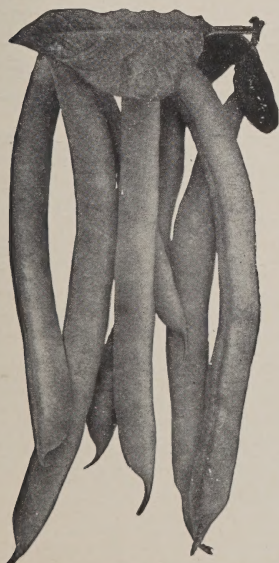
Green-Pod Bush Beans

Yield in from 8 to 10 weeks

Streamliner. Robust new variety that resists cold weather; the abundant, flattish pods average 7 inches in length, are stringless and of fine quality. If you have a surplus you may let the seeds ripen; they are white and make excellent Shell Beans. Pkt. 15 cts., ½ lb. 35 cts., lb. 65 cts., 2 lbs. \$1.25, 5 lbs. \$3, 15 lbs. \$7.50.

Plentiful. This is similar to Bountiful, but the Beans are thicker, longer, straighter, and darker in color. They are also more nearly stringless, very tender and of wonderful flavor. An extremely prolific sort which matures in 50 days and is definitely resistant to rust. This is an excellent Bean. Pkt. 15 cts., ½ lb. 30 cts., lb. 55 cts., 2 lbs. \$1.05, 5 lbs. \$2.50, 15 lbs. \$6.25.

Tendergreen. Handsome, 6-inch, round-podded Beans, entirely without strings at all stages of growth, and of fine melting flavor. We recommend it highly. ½ lb. 30 cts., lb. 55 cts., 2 lbs. \$1.05, 5 lbs. \$2.50, 15 lbs. \$6.25.



Giant Stringless Green-Pod Bush Beans

GREEN-POD BUSH BEANS, cont.

Bountiful. Very prolific and a continuous bearer. It is tender, of delicious flavor, and stringless if the flat pods are gathered when no more than 4½ inches long. Bountiful is resistant to rust. Pkt. 10 cts., ½ lb. 30 cts., lb. 50 cts., 2 lbs. 95 cts., 5 lbs. \$2.25, 15 lbs. \$5.50.

Stringless Green-Pod. Splendid first-early round-podded Bush Bean. Entirely stringless; averages 5 inches long and is slightly curved. ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.75.

Giant Stringless Green-Pod. Favorite market variety. Pods are an inch longer than Stringless Green-Pod. ½ lb. 30 cts., lb. 50 cts., 2 lbs. 95 cts., 5 lbs. \$2.25, 15 lbs. \$5.50.

Stringless Black Valentine. A fine improvement on the Black Valentine. It is a heavy yielder of stringless, green, pencil-shaped, thick, meaty Beans of finest flavor. Pkt. 10 cts., ½ lb. 30 cts., lb. 50 cts., 2 lbs. 95 cts., 5 lbs. \$2.25, 15 lbs. \$5.50.

Black Valentine. Matures early, producing long, round, straight pods which are tender when young. A good heat-resister. ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.75.

Dwarf Horticultural. Pods medium length, slightly curved, and when nearly developed are splashed with bright red on yellow. The green-shelled Beans are tender, and fine flavored. ½ lb. 30 cts., lb. 50 cts., 2 lbs. 95 cts., 5 lbs. \$2.25, 15 lbs. \$5.50.

Red Valentine. ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.75.

Refugee Beans for Eating Fresh or for Canning

Sow in summer for late crop

Medal Refugee. Pods are slightly curved, nearly round in section and about 4 inches long, fleshy, brittle and stringless. Resistant to disease. Remarkable both for high yield and excellent quality. Won Bronze Medal in the All-America Seed Trials for 1942. Pkt. 20 cts., ½ lb. 60 cts.

Stringless Refugee. A very heavy cropper; its flavor is wonderful and it is absolutely stringless. Valuable for immediate use, for pickling or for canning. ½ lb. 30 cts., lb. 50 cts., 2 lbs. 95 cts., 5 lbs. \$2.25, 15 lbs. \$5.50.

A 25-foot row should supply 25 pounds or more of Beans (pods). They supply vitamins A and G; also phosphorus and copper.

Wax-Pod Bush Beans.

Sure-Crop Stringless. Large plant with a strong, thick stem, standing up well during stormy weather. Bears an abundance of large, handsome, golden yellow pods which are quite stringless. Sure-Crop is resistant to rust. ½ lb. 30 cts., lb. 50 cts., 2 lbs. 95 cts., 5 lbs. \$2.25, 15 lbs. \$5.50.

Black Wax. Round pods; early and good. Pkt. 10 cts., ½ lb. 30 cts., lb. 50 cts., 2 lbs. 95 cts., 5 lbs. \$2.25, 15 lbs. \$5.50.

Vegetable Gardening in Color. Newest publication, ready Jan. 1. 254 pages. \$2.50.



Medal Refugee Beans

Pole Snap Beans

One pound plants 200 hills

CULTURE. Erect stout poles 3 feet apart; sow eight Beans in a circle around the base after danger of frost has passed; thin to five plants per pole. Or you may grow them against a wire fence.

Decatur. Vigorous novelty, climbing 6½ feet and covered with dark green, high-quality pods, round in section and stringless. Seeds are small and white. Resistant to disease, it is recommended for garden and commercial use. Won Silver Medal in the All-America Seed-Trials for 1942. Pkt. 25 cts., ½ lb. 75 cts.

Old Homestead (Green Kentucky Wonder). The pods are tender, stringless when young and silvery green, hanging in clusters throughout the plant. Begins to yield in ten weeks, and thereafter is a continuous bearer. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.75.

Scarlet Runner. Has scarlet flowers. The green pods, though containing strings, are probably the best flavored of any Bean. Pkt. 15 cts., ½ lb. 30 cts., lb. 50 cts., 2 lbs. 95 cts., 5 lbs. \$2.25, 15 lbs. \$5.50.

Yard-Long Asparagus. Long, narrow, rounded pods. Pkt. 20 cts., ½ lb. 45 cts., lb. 85 cts., 2 lbs. \$1.65, 5 lbs. \$4.

Golden Cluster Wax. Pkt. 10 cts., ½ lb. 30 cts., lb. 50 cts., 2 lbs. 95 cts., 5 lbs. \$2.25, 15 lbs. \$5.50.

Yield in from 8 to 10 weeks

Brittle Wax. The earliest Wax Bean; also a great cropper. The bushes are hardy, while the pods are fleshy and entirely stringless. They are of fine flavor, round and solid, tender, brittle and entirely stringless. The ripened seeds make excellent Shell Beans. Pkt. 15 cts., ½ lb. 30 cts., lb. 55 cts., 2 lbs. \$1.05, 5 lbs. \$2.50, 15 lbs. \$6.25.

Golden Wax. A good Bean with flat-section pods; these are large, devoid of strings, tender and of excellent flavor. An old-time variety, reliable, and still among the best. ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.75.

DWARF LIMA BEANS

One pound will plant 50 to 100 feet of drill. Yield in from 12 to 14 weeks.

CULTURE. Sow Lima Beans after danger of frost is over and the soil is thoroughly warm. Sow Bush sorts in rows 2 feet apart and about 3 inches deep, putting the Beans 2 inches apart in the row "eye down," later thinning so that the plants stand 6 inches apart. For Pole varieties put six seeds in each hill, arranging the hills 3 feet apart each way. They require a pole 7 feet high, and when the vines have reached the top, pinch them to increase the yield. Limas always do best on a nice, rich, loamy soil.

Baby Potato. Medium-sized plant that is a great producer of Beans which are somewhat smaller than those of Fordhook. The pods which contain them are small, also, so the variety is of special interest to the amateur, whose garden space may be limited. Its flavor is especially good. Pkt. 15 cts., $\frac{1}{2}$ lb. 40 cts., lb. 70 cts., 2 lbs. \$1.35, 5 lbs. \$3.25.

Fordhook. A dwarf form of the popular Challenger or Potato Lima, and earlier. Pods measure 4 to 5 inches, frequently containing 4 fine Beans of medium size, thick, meaty, of the finest flavor, and very tender. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 2 lbs. \$1.05, 5 lbs. \$2.50, 15 lbs. \$6.25.

Early Giant. A quick-growing variety. The short period in which this Bean matures enables it to be grown for succession, sowings being made from May 15 to July 10 in the neighborhood of New York. The flavor of this variety is particularly refined, and the Beans are large, thick, and flat. Pkt. 15 cts., $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 2 lbs. \$1.05, 5 lbs. \$2.50, 15 lbs. \$6.25.

Improved Bush. A fine Bush Lima with pods filled with large and thick Beans. $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 95 cts., 5 lbs. \$2.25, 15 lbs. \$5.50.

Henderson Bush. Beans are small, but are produced in quantity. $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.75.

POLE LIMA BEANS

One pound will plant 50 hills. Yield in from 13 to 15 weeks.

S. & W. Co.'s Green-seeded. Vigorous, branched vine, producing an abundance of pods, which are closely filled with large, broad-seeded, green Beans. It is finer flavored and more tender than white-seeded varieties. Pkt. 15 cts., $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 2 lbs. \$1.05, 5 lbs. \$2.50, 15 lbs. \$6.25.

Sunnybrook. Very productive and of wonderful flavor. One of the quickest to mature, and it is covered from ground to top with pods containing 4 or 5 fine Beans of quite the best quality, tender and sweet. $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 2 lbs. \$1.05, 5 lbs. \$2.50, 15 lbs. \$6.25.

Challenger or Potato, Improved. Early and prolific. A small thick Bean of excellent flavor. $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 95 cts., 5 lbs. \$2.25, 15 lbs. \$5.50.

King of the Garden. Beans flat and large. $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 95 cts., 5 lbs. \$2.25, 15 lbs. \$5.50.

Ford's Mammoth. $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.75.

Early Leviathan. Early variety with pods in clusters. Splendid where the season is short. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 95 cts., 5 lbs. \$2.25, 15 lbs. \$5.50.



Mary Washington Asparagus

Beans for Growing Under Glass

The Prince. New sort, quick to mature and cropping enormously. The pods are without strings, meaty, of fine flavor, 11 to 12 inches long. Pkt. 20 cts., $\frac{1}{2}$ lb. 60 cts., lb. \$1, 2 lbs. \$1.90, 5 lbs. \$4.50.

S. & W. Co.'s Wonder. Of fine color and refined flavor. Round, 6-inch pods are borne in great abundance. $\frac{1}{2}$ lb. 40 cts., lb. 75 cts., 2 lbs. \$1.45, 5 lbs. \$3.50.

Masterpiece. Strong, quick grower and very prolific, the pods attaining a length of over 7 inches, straight, tender, meaty and stringless. Bean thick-flat. $\frac{1}{2}$ lb. 35 cts., lb. 65 cts., 2 lbs. \$1.25, 5 lbs. \$3.

Broad (Fava) Beans

They like cold and should be planted early. Spray continuously against aphids and blight. **English Windsor.** Heavy pods produced in pairs with 3 or 4 large Beans. $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 2 lbs. \$1.05, 5 lbs. \$2.50.

Beans for Baked Beans

Grow until fully ripened; then shell. **Pea or Navy.** $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25. **Red Kidney.** $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Edible Soy Beans

If you have plenty of room, grow this new 30-inch high crop, the yield of which is so high in proteins and fats. Send for our leaflet "Soy Beans as a Garden Crop." **Sawco Selected.** An excellent variety. $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 2 lbs. \$1.15.

A 25-foot row or ten hills should supply 25 pounds or more of Lima Beans (pods). They supply vitamins B₁, C and G; also phosphorus, copper and some iron.

ASPARAGUS

One ounce of seed plants 50 feet of drill. Furnishes vitamin B₁, also phosphorus and copper.

CULTURE. Sow in drills at least 1½ feet apart and thin so that plants do not overcrowd. When a year or more old, dig and replant in a prepared bed, as suggested under "Asparagus Roots."

Mary Washington. Asparagus is often damaged by rust. To control it plant Pedigreed Mary Washington, the most rust-resistant type we know. Seed, pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

Asparagus Roots

A plot 6 feet wide and 50 feet long will be sufficient to plant 100 roots, enough for an ordinary family.

CULTURE. Dig a trench 1½ feet deep and 1 foot wide, and fill in about 4 inches with well-rotted manure, or with rich top-soil to which General Garden Fertilizer has been added generously; tread down firmly. On this put about 5 inches of additional soil, and then lay the roots in, about 18 inches apart, taking care to spread well, having the crown in an upright position. Cover to within 4 inches of the top of the trench and, as the plants grow, gradually fill the trench to the surface. For spacing between the rows allow 2 feet. Let the plants grow two full seasons before cutting.

Paradise. This fine, new variety has quickly become popular with commercial growers and should appeal equally well to the amateur. It is a remarkably heavy producer and the stalks are very large—often only seven or eight to a pound bunch. The flavor of the tender stalks is unusually good. Large, two-year old roots, \$5 per 100, \$40 per 1000.

Mary Washington. Rust-resistant, vigorous, and of wonderful quality. Produces large cuttings of colossal shoots, straight, dark green in color, and with a heavy purple overtone. Extra-choice 2-yr. crowns \$3.50 per 100, \$30 per 1000. Selected 3-yr. crowns for forcing, \$6 per 100, \$50 per 1000.

Conover's Colossal. A mammoth bright green sort, the tips of which are often tinged purple. Very tender and of good quality. \$3 per 100, \$27.50 per 1000.

Purchaser pays transportation beyond 50 miles on Roots

ARTICHOKES

Globe Artichokes

One ounce will produce 500 plants

The scales and base of the flower-buds are eaten, either boiled, or raw as a salad. The young stems are sometimes tied together and blanched and served in the same manner as asparagus. The plants thrive best in deep, rich well-drained soil. Sow seeds indoors, and set out in May, in rows 3 feet apart, leaving 2 to 3 feet between the plants. Cover with leaves in winter. Usually bears the second year.

Large Green Globe. Pkt. 25 cts., $\frac{1}{2}$ oz. 85 cts., oz. \$1.50.

Jerusalem Artichokes

Artichoke Tubers. Distinct plant, grown for its potato-like tubers. Place in rows, 3 feet apart and 1 foot apart in the row; cultivate occasionally. Allow to remain in the ground until needed. Excellent served boiled, like new potatoes. Qt. 50 cts., pk. \$3. Purchaser pays transportation beyond 50 miles of New York.

RED BEETS

One ounce will plant 100 feet of drill and should yield 100 lbs. or more of roots. Allow 5 to 6 pounds of seeds per acre. Ready in from 8 to 11 weeks.

CULTURE. Seed may be sown from early spring to mid-July. The ground should be spaded well and deep, placing rows about 18 inches apart, and the drills 1 inch deep. Cover the seed carefully and firm in the ground by walking over the drills. When seedlings appear about 3 inches above ground, thin out to about 4 inches between the plants so as to give ample room for the proper development of the roots. Beets are best for pulling when about 2 inches in size.

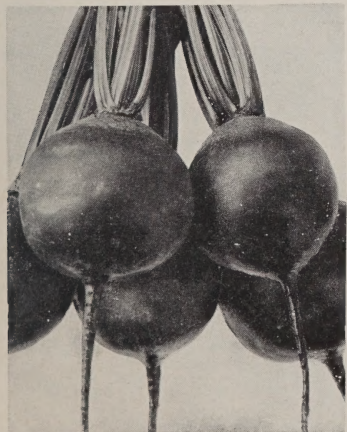
Round Types

Good for All or Baby Detroit. Fine flavor, without earthiness and woodiness; uniformity in shape; regularity in size and color—these are the outstanding qualities of this Beet. A perfect globe, smooth and even. The foliage is sparse and short—barely a foot—and gray-green. Flesh is very free from rings or zones, being a uniform deep crimson-vermilion. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.50.

Crimson Globe. In about 70 days from planting, one-fourth of the Beets in the Crimson Globe row will be ready for table use. They do not all come to eatable size at the same time, some growing faster than others, thereby lengthening the period of perfection and making it an ideal home-garden sort. Flesh bright red with light purple zones. Pkt. 10 ct., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Green-Top Bunching. An early type, the bulbs of which reach a diameter of 3 inches in about seven weeks, are slightly flattened and of excellent table quality, free of objectionable fiber. The flesh is almost solid blood-red, while the foliage is a definite gray-green. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Detroit Dark Red, Exhibition Strain. This is specially reselected for depth of color, uniformity of shape, and general refinement. It is developed particularly to meet the requirements of the exhibitor and market gardener. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.50.



Good for All Beets

ROUND TYPES, continued

Detroit Dark Red. The round, dark red globe roots are uniformly smooth. The flesh of the very young Beets is almost black-red, turning to dark crimson with dark purple zones as the Beets grow larger. When cooked, the Beets are of an appetizing dark red and very sweet. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.

Sawco Wonder. An improved Early Wonder Beet which was given a gold medal rating by the All-America Selections Committee in 1934. Has all of the fine qualities of Early Wonder, but has, in addition, a fine dark-colored flesh, exceptionally tender and sweet. Pkt. 15 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.

Early Wonder. A variety which may be sown early, and will mature very rapidly. It is so uniform in growth that the crop can be lifted practically at one time. The root is nearly globular in shape, slightly flattened. The leaves are of medium size, and the color of the flesh is deep blood-red; sweet and free from strings. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.

Crosby's Original Egyptian. The smooth, dark red roots are topped with light green foliage, which is prominently speckled with dark red. The flesh is carmine, handsomely marked with white zones, very tender and of uniformly sweet quality. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.

Extra-Early Egyptian. A variety which grows very quickly, producing roots of fine quality, flat and smooth. They are pulled when 2 inches in diameter. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.

S. & W. Co.'s Winter Keeper. A distinct strain of a main-crop, globe-shaped Beet produced by many years of painstaking selection. Two leading characteristics of this Beet are: the uniformly excellent flavor of its flesh and the remarkable manner in which this quality is preserved during winter storage. Beets are almost globe-shaped, tapering somewhat toward the root. The flesh is dark red, sweet and tender. A portion of the crop may be stored in a cellar or pit until spring. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.50.

Long Type

Long Blood. (Out of ground.) Late variety, the root of which is over a foot long. Five inches of this grows out of the ground. The flesh is deep red in color, sweet, and of high quality; it keeps through into the winter, and its size and shape obviously make it the most economical. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.

COW BEETS (Mangels) and SUGAR BEETS. See page 20.

Beets are nourishing and are an excellent source of copper. The tops or greens are especially valuable, supplying vitamins A, B, C and G, along with calcium and iron.

CARDOON

Grown like celery. Sow in May and transplant 3 feet apart. Three weeks before using, the heads are tied, straw is piled, and soil heaped against the straw to blanch them. Pkt. 20 cts., $\frac{1}{2}$ oz. 65 cts., oz. \$1.



Italian Market Broccoli

BROCCOLI

One ounce will produce about 3000 plants. Takes about 9 weeks from seed.

A 25-foot row should give you a total of 3 bushels of healthful food.

Outstanding source of vitamin A; excellent one of G. High in calcium, phosphorus and copper.

Italian-Market. Delicious vegetable, like cauliflower but a more distinct flavor. Produces a compact, bluish green head. After this is cut, the plant produces side shoots, each bearing a small head. May be sown February to July. Pkt. 25 cts., $\frac{1}{4}$ oz. 65 cts., $\frac{1}{2}$ oz. \$1, oz. \$1.75.

Broccoli-Rape. (Non-heading.) Delicious cooking green, popular with Italian growers. Leaves are smaller and thinner than Broccoli and the buds are not in such tight heads. Plant is ready for the kitchen when first bud breaks into its yellow flower. Pkt. 20 cts., $\frac{1}{2}$ oz. 65 cts., oz. \$1.

BRUSSELS SPROUTS

One ounce will produce about 3000 plants. Yields within 17 weeks of sowing seed.

A 25-foot row should give you 20 quarts or more.

Excellent source of vitamins B₁ and C; fair one of G. High in phosphorus and copper.

S. & W. Co.'s Favorite. A half-dwarf strain of this fine vegetable, thickly covered with crowded, tight Sprouts, tender and delicious. Pkt. 25 cts., $\frac{1}{4}$ oz. 65 cts., $\frac{1}{2}$ oz. \$1, oz. \$1.75, $\frac{1}{2}$ lb. \$5.

COLLARDS

One ounce will produce about 3000 plants. About 5 weeks from seed to cutting

A 25-foot row should give you a total of 2½ bushels of produce.

Outstanding source of Vitamin C; good one of A and G; fair source of B₁. High in calcium and phosphorus, with some iron.

Georgia. A leafy plant with a large, loose head. In the South it is widely used as a cooked vegetable. Sow seeds at any time; remove surplus plants to avoid overcrowding. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.



S. & W. Co.'s Rubicore Carrots

CARROTS

One ounce will plant 100 feet of drill, and should yield 100 pounds or more of produce.

Well known to be a good source of vitamin A, the eyesight vitamin.

CULTURE. Sow from March to July in drills $\frac{1}{4}$ inch deep and 14 inches apart; thin out to 3 inches.

Best Early Kinds

Yield in from 9 to 10 weeks

Rubicore. A new, early Carrot, deep orange-red, and the small core is almost the same color, which it retains in cooking, and it is as tender and sweet as the root itself—as “coreless” as a Carrot can be. The roots are $5\frac{1}{2}$ to 6 inches long, 2 to $2\frac{1}{2}$ inches at the shoulder, narrowing gradually to a blunt end. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.

S. & W. Co.'s Melting Marrow. A fine half-long variety—that is cylindrical in shape and of wonderful butter quality. The skin is smooth and the fine red color is carried through the entire root. The best Carrot from the culinary standpoint. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

French Forcing. Largely grown under glass. Has a small, almost globe-shaped root of an orange-red color. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Selected Chantenay. A splendid half-long, stump-rooted Carrot. Quick to grow, it averages $5\frac{1}{2}$ to 6 inches in length, broad at the neck, narrowing gradually to a blunt end. The flesh is rich orange-red, free from core, tender, fine flavored, and of excellent table quality. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.85.

Greater Chantenay. Has all the palatability, tenderness, fine color, and speed of our regular strain of Chantenay, but the roots are fully $1\frac{1}{2}$ inches longer. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.

Half-Long Scarlet Nantes. The skin is smooth, flesh red, and without any core. It is excellent for forcing and general use, and for quality it cannot be surpassed. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Osheart or Guerande. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.75.

Late Varieties

Yield in from 11 to 13 weeks

S. & W. Co.'s Imperator. Rich red color, of high culinary quality, free of core and fiber. An elongated Danvers type, round-shouldered, almost cylindrical for the first 6 inches, then gradually tapering to a point. Fine commercial sort, and excellent for the private estate or home-garden. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.

Streamliner. In developing this Carrot, quality and flavor have been given as much attention as the needs of the commercial grower. Its deep color, with a slightly flavor commend it to the home gardener. It is easier to pull, bunch, and wash, and it looks wonderful, so it just fits the market-man's requirements also. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.

Selected Danvers. A handsome, tapering cylindrical Carrot of good size. Dark orange, of excellent table quality, smooth and has little core. Yields a greater weight per acre than almost any other variety. Selected stock for market gardeners and home use. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.75.

Tendersweet. Gradually tapering, handsome, blunt-ended roots, about 9 inches long, and fine, deep orange-red in color. They are exceptionally sweet, tender and of high quality. Foliage is dark, with bluish stems. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.

Long Red Surrey. Larger, better-flavored, and of a deeper orange color than most other types; flesh sweet and tender, never hard or woody. The smooth, even-shaped roots are of good size, 6 to 8 inches in length and 2 inches in diameter at the top, tapering gradually to the tip. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.

Long Orange Improved. It grows 12 inches long and 3 inches in diameter. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.75.

New Red Intermediate. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.75.

Two Carrots for Prize Winning

Exhibition Chantenay and Exhibition Danvers. Two strains of these standard varieties that have been specially grown and selected for exhibition. Each, Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

CABBAGES

One ounce will produce about 3000 plants

CULTURE. Sow early kinds in hotbeds in February and March, and in the open ground during April and May. Late varieties for fall and winter use should also be sown in May. Plant 2 feet apart in each direction. Cabbages require good soil.

Cabbage, when not cooked over-long, is a valuable food. An excellent source of vitamin C, and an outstanding one of calcium, with some phosphorous.

Early and Midseason Sorts

Yield in from 9 to 12 weeks

Golden Acre. A small but very fine variety. Early, and with round, solid, well-blanching heads. The few outer leaves are small, permitting close planting. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Improved Early Jersey Wakefield. One of the best early Cabbages. The heads are hard, solid, and pointed, with just a few outside leaves. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75.

EARLY AND MIDSEASON CABBAGE, continued

Charleston or Large-Type Wakefield.

Retains all the characteristics of the Improved Early Jersey Wakefield with the added advantage of greater size. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75.

Copenhagen Market. The stem is short, the head round and solid. The heaviest of the extra-early varieties, and if left until fully mature, frequently weighs 8 to 10 pounds. The leaves are small, compact and close to the head, so it will stand close planting. The inside is fine-grained and tender. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Succession. A splendid second-early, round-headed sort. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Yellows-Resistant Globe. Similar to Copenhagen Market and a few days later. Specially bred to resist disease. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.75.

S. & W. Co.'s Famous Early Conical. Pkt. 20 cts., $\frac{1}{2}$ oz. 45 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.35, $\frac{1}{4}$ lb. \$4.

Late Cabbages

Yield in from 14 to 16 weeks

Danish Ballhead. A large Cabbage. The round heads are very solid fine-grained and sweet-flavored. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Large Late Flat Dutch. Fine for winter use. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75.

Danish Drumhead. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Savoy Cabbage

Yield in from 12 to 13 weeks

American Drumhead Savoy. The round, wrinkled heads are solid, large, and well shaped, and in table quality they resemble the better garden Cabbages. Pkt. 10 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.75.

Food will win the War and Dictate the Peace.

Grow all the Vegetables You Can

Red Cabbages

Yield in from 11 to 15 weeks

Mammoth Rock Red. This is the best, largest and surest heading Red Cabbage. The plant is handsome, with numerous spreading leaves, large, round, and very solid heads. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Early Red. A small early sort. Very refined and uniformly dark red. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.

Chinese or Celery Cabbages

Yield in about 11 weeks

A desirable vegetable, nearer to Mustard than Cabbage, palatable and healthful. A cool-weather crop; sow early in spring, or in August for late autumn cropping.

Pe-Tsai. (Chihli Strain.) Looks like a long Cos Lettuce, but its crisp leaves and midribs have a Cabbage flavor. Pkt. 10 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Wong Bok. A very compact plant, short and broad. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75.

Seedlings of Cabbage, ready to plant out in your garden, are offered on page 89.

STUMPP & WALTER CO.

CELERY-BLEACHING TUBES

simplify the culture of this plant. In the 14-inch size they cost \$4.50 per 100. See Implement Section for prices of other sizes.



S. & W. Co.'s Best of All Cauliflower

CAULIFLOWER

One ounce will produce about 3000 plants.

From 10 to 14 weeks from seed to harvest. Outstanding source of vitamin B₁; good one of C; fair source of G. High in phosphorus.

CULTURE. Sow in February or March in a hot-bed and transplant in April. Have the plants 2 1/4 feet apart. Rich soil is essential. Outdoors sow the first week in May and transplant in July. For wintering under glass sow in September; transplant thickly into a cold pit or frame; give plenty of air in mild weather, and cover up well when conditions are severe. When the flower is the size of an egg, tie the leaves together, or bend them to form a cover.

S. & W. Co.'s Best of All. The easiest-to-grow Cauliflower. The plant is dwarf, stocky, and erect. Fewer leaves enable it to be planted closer than usual. In suitable soil, every plant will form a large, handsome head of the finest quality. Pkt. 35 cts., 1/2 oz. \$1.75, 1/2 oz. \$3.25, oz. \$6.

Early Snowball (Snowdrift). Wonderful, sure-heading, dwarf variety; the outer leaves are small, hence it is particularly adapted to growing under glass, also for spring planting outdoors. Is, too, an excellent autumn sort. Pkt. 25 cts., 1/2 oz. 85 cts., 1/2 oz. \$1.50, 1/2 oz. \$2.75, oz. \$5.

Extra-Early Dwarf Erfurt. Because of its exceedingly dwarf habit and rapidity of growth, this variety is desirable for forcing under glass; also suitable for the open ground. Pkt. 25 cts., 1/2 oz. 85 cts., 1/2 oz. \$1.50, 1/2 oz. \$2.75, oz. \$5.

Autumn Giant. This is larger and slower-growing than the above varieties; used in warmer climates. Pkt. 15 cts., 1/2 oz. 40 cts., 1/2 oz. 75 cts., 1/2 oz. \$1.35, oz. \$2.50.

Italian Purple. Head purple, cooking to green; in flavor it is similar, but superior to broccoli and cauliflower. Quick growing and disease-resistant. May be sown under glass and transplanted, or outdoors in June for an autumn crop. Pkt. 25 cts., 1/2 oz. 85 cts., 1/2 oz. \$1.50, 1/2 oz. \$2.75, oz. \$5.

CRESS (Pepper Grass)

Curled or Pepper Grass. The young seedlings are used for salads, and they make delicious fillings for sandwiches. Good winter house-grown crop. Scatter seeds thickly on boxes of fine soil and press in gently—do not cover. Will also grow on cloth kept continuously damp. Yields in about two weeks; sow at short intervals for succession. Pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.50, lb. \$3.75.

True Erfurt Water Cress. Pkt. 25 cts., 1/2 oz. 75 cts., 1/2 oz. \$1.30, 1/2 oz. \$2.35, oz. \$4.

NEW YORK CITY

CRISP CELERY

Fair source of calcium and phosphorus

One ounce will produce 3000 plants.

Early sorts take around 15 weeks, late sorts about 18 weeks.

CULTURE. Sow the seed in a coldframe, or in a dry border as early as the ground can be worked. Transplant or thin out 5 to 6 inches apart, and allow to grow until wanted for setting out into the beds or trenches in July. Rows or double rows should be 3 feet apart and the plants set about 8 inches apart in the row. Two to three weeks prior to harvesting, the plants should be boarded or earthed up to blanch them.

Early Quick-blanching Varieties

Golden Plume. The improvements over Golden Self-blanching are (a) superior flavor, (b) wonderful color, (c) resistance to blight and rust, (d) earlier maturity, (e) superior keeping qualities, (f) increased size. It possesses a nutlike flavor, and is handsome in appearance. Pkt. 25 cts., 1/2 oz. 70 cts., 1/2 oz. \$1.25, 1/2 oz. \$2, oz. \$3.50.

Golden Treasure. This finds the greatest favor today in the New York market. A reselection from Golden Plume whereby a taller type has been produced, and the head is thicker. Flavor is most refined. Preferred to the standard sort by some. Pkt. 30 cts., 4 pkts. \$1.40, \$1.50, 1/2 oz. \$2.75, oz. \$4.

Earlgreen. The finest, earliest large green Celery. The very full heart is pure white, brittle, and of the most delicious flavor. Pkt. 25 cts., 1/2 oz. 70 cts., 1/2 oz. \$1.25, 1/2 oz. \$2, oz. \$3.50.

Summer Pascal. Highest quality green Celery: short, heavy, nutty and brittle; almost ribless and entirely stringless. Blanches easily in two weeks. Full golden heart. Trifle later than Golden Plume. Height 22 inches. Pkt. 30 cts., 1/2 oz. \$1.50, 1/2 oz. \$2.75, 4 pkts. \$1.

Paris Golden Self-blanching. Compact, stocky, with golden green leaves and fine, nutty flavor. Pkt. 15 cts., 1/2 oz. 35 cts., 1/2 oz. 65 cts., oz. \$1, 1/4 lb. \$3.

Improved White Plume. Tender and of the very best flavor. Pkt. 15 cts., 1/2 oz. 50 cts., oz. 85 cts., 1/4 lb. \$2.50.

CELERIAC, Large Smooth. Turnip-shaped roots, which are white-fleshed, tender, and possess the flavor of celery stalks. Pkt. 15 cts., 1/2 oz. 45 cts., oz. 75 cts., 1/4 lb. \$2, lb. \$7.50.



Golden Plume Celery

Well-Keeping Winter Varieties

New Easy-blanching. Large green leaves blanch white. Good keeper, though only two weeks later than Paris Golden. The flesh is crisp and brittle, the flavor good. Pkt. 25 cts., 1/2 oz. 40 cts., 1/2 oz. 70 cts., 1/2 oz. \$1.25, oz. \$2.

Winter Queen. Medium large, light green in color. Blanches and keeps well. Pkt. 15 cts., 1/2 oz. 45 cts., oz. 80 cts., 1/4 lb. \$2.25.

Giant Pascal. Pkt. 15 cts., 1/2 oz. 45 cts., oz. 75 cts., 1/4 lb. \$2.

Cutting Celery. (For Soup Greens.) Strongly germinating seed. Pkt. 10 cts., oz. 35 cts., 1/4 lb. \$1, lb. \$2.50.

Celery Seed. Non-germinating. For soups, etc. Oz. 15 cts., 1/4 lb. 40 cts., lb. \$1.

CUCUMBERS

Fair source of vitamin G

One ounce will plant about 50 hills.
Yield in about 9 weeks

CULTURE. Sow seed in hills 4 feet apart each way after mid-May and at intervals up to mid-August.

Straight-8. A new green Cucumber of excellent quality. Fruits show no lighter striping, are about 8 inches long and 1 1/2 inches through, symmetrical and uniform. Pkt. 15 cts., oz. 45 cts., 1/4 lb. \$1.35, lb. \$3.50.

New Davis Perfect. Dark, glossy green, slim and symmetrical, 10 to 12 inches long. Flesh brittle and of good flavor. Pkt. 10c., oz. 35 cts., 1/4 lb. \$1, lb. \$2.50.

Improved Early White Spine. Fruits slightly pointed, smooth and deep green; white lines at the blossom-end. Splendid table Cucumber or for pickling. Pkt. 10 cts., oz. 35 cts., 1/4 lb. \$1, lb. \$2.50.

Cool and Crisp. An excellent pickling or slicing Cucumber of good size, tender and crisp; very early and prolific. Pkt. 10 cts., oz. 35 cts., 1/4 lb. \$1, lb. \$2.50.

The Lemon. In appearance it resembles a lemon, but edible qualities are good, and it withstands drought and disease well. Pkt. 10 cts., oz. 35 cts., 1/4 lb. \$1, lb. \$2.50.

Extra-Long Green. Standard variety about 1 foot in length, of excellent quality; when young makes good pickles. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.25, lb. \$3.

Long-fellow. A long, slender, very dark white-spine Cucumber, desirable for outdoor planting as well as forcing. Pkt. 15 cts., oz. 45 cts., 1/4 lb. \$1.35, lb. \$3.50.

Staysgreen. Reliable and popular commercial white-spine variety. It holds well its beautiful medium dark green color and ships well. The fruits are 8 to 9 inches long, straight, smooth, and of excellent salad crispness. Pkt. 15 cts., oz. 35 cts., 1/4 lb. \$1, lb. \$2.50.

Oriental Climbing. Distinct climbing sort to train on pole or fence. Good for pickling or slicing. The fruit is about 1 foot long, smooth and dark green. Pkt. 10 cts., oz. 35 cts., 1/4 lb. \$1, lb. \$2.50.

Green Prolific (Boston Pickling). For pickling, because small. For slicing also. Pkt. 10 cts., oz. 35 cts., 1/4 lb. \$1, lb. \$2.50.

From 6 to 10 good Cucumbers per hill may be expected

Greenhouse Cucumbers

S. & W. Co.'s Improved Telegraph. Very dark green, long and straight. We offer a special strain of this variety. Pkt. (15 seeds) 50 cts., 5 pkts. \$2.

Forcing White Spine. Similar to the outdoor White Spine but larger. It grows freely under glass, and is early, prolific, robust and of simple cultivation. Pkt. (25 seeds) 25 cts., 5 pkts. \$1.

Cauliflower and Celery plants, ready to put in your garden, are offered on page 89

Treat Your Seed with CROW REPELLENT

Don't sow merely to feed the birds. Sufficient for a total of 1 bushel, 60 cts.



Midget Corn needs little garden space, and the ears are about 4 inches long; each plant bears two to five of them

SUGAR CORN

Pound plants 200 feet of drill or 200 to 300 hills

Corn is an excellent source of vitamin B₁, and an outstanding one of the mineral, phosphorus. Two ears per plant is a good average yield for most varieties; the smaller ears of the Midget sorts are produced more freely.

Culture. May be gathered daily from July to frost if you plant every three weeks, from April to July; hills 3 feet apart, and six seeds in a hill; cover about half an inch; thin out to three plants.

MIDGET CORNS

For the Small Garden

S. & W. Co's Midget. The small plant grows about 30 inches high and the ears are only 4 inches long, but two to five of them are on a single stalk. The white kernels are delicious. Pkt. 15 cts., 1/4 lb. 50 cts., lb. \$1.75.

Golden Midget. A golden yellow form of our well-known midget. Equally delectable; the plant is just as dwarf and the ear equally tiny. Pkt. 75 cts., 1/4 lb. \$1.75, lb. \$5.

New Hybrid Corns

Allegheny. New yellow variety, medium late, with large ears and deep, very narrow, tender kernels. Table quality is of the best, and Allegheny should prove excellent for the market grower, canner and the home gardener who has sufficient space for a tall Corn. Pkt. 20 cts., 1/4 lb. 50 cts., lb. 90 cts., 2 lbs. \$1.75, 5 lbs. \$4.

Honey Cross. A first-early hybrid of wonderful table quality; probably the sweetest Corn you have ever eaten. It is a good market variety and very suitable for the backyard garden also. Definitely resistant to disease. Ears long, 12- or 14-rowed, with light cream-yellow, medium broad kernels. This may be described as an improved strain of the variety, Marcorss. Pkt. 20 cts., 1/4 lb. 50 cts., lb. 85 cts., 2 lbs. \$1.65, 5 lbs. \$3.75.

Golden Cross Bantam. Modern sort, showing remarkable resistance to wilt, increased yield, ability to withstand adverse weather, uniformity of ear, etc. Its stalks are sturdy, ears 7 to 8 inches long, 10 to 14-rowed, maturing in 88 days. Pkt. 15 cts., 1/4 lb. 40 cts., lb. 75 cts., 2 lbs. \$1.40, 5 lbs. \$3.25.

Evergreen Hybrid Late. Similar to our regular Stowell's Evergreen, but sturdier, uniform and more resistant to disease. Pkt. 20 cts., 1/4 lb. 50 cts., lb. 90 cts., 2 lbs. \$1.75, 5 lbs. \$4.

Early Sorts

Yield in 10 to 12 weeks from planting

New Wonder Bantam. Grows 5 to 6 feet in height, bearing ears 8 to 10 inches in length, filled with 8 rows of rich, golden yellow, sugar-sweet kernels. More vigorous, more productive, and yields larger ears than Golden Bantam. 1/4 lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

Golden Wedding. Like Golden Bantam, but the ears are larger and have 12 or more rows instead of 8. In flavor we consider it superior. Resistant to wilt. Pkt. 15 cts., 1/4 lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

Golden Bantam. Wonderful for flavor. Plants 4 feet high, usually bearing two or more ears. When ready for the table the ears are creamy yellow. Pkt. 10 cts., 1/4 lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$1.85, 15 lbs. \$4.50.

Black Mexican. Jet-black ears; very sweet. Pkt. 10 cts., 1/4 lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Howling Mob. Fine white Corn of sweet table quality. Ears are 7 1/2 inches long, 12-rowed, and are ready in 85 days. Pkt. 10 cts., 1/4 lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Late Sorts

Yield in 13 to 15 weeks from planting

Golden Colonel. A hybrid which has the unsurpassed flavor and rich yellow color of Golden Bantam, along with the shoepeg grains, large zig-zag ear, and 8-foot stature of Country Gentleman. Pkt. 15 cts., 1/4 lb. 40 cts., lb. 75 cts., 2 lbs. \$1.40, 5 lbs. \$3.25.

Country Gentleman. Very delicate flavor. The ear is large, cob is small, and the pearly white kernels of great depth. Pkt. 10 cts., 1/4 lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$1.85, 15 lbs. \$4.50.

Stowell's Evergreen. The ears are of large size, grains deep, exceptionally tender and sugary. Pkt. 10 cts., 1/4 lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$1.85, 15 lbs. \$4.50.

Long Island Beauty. 1/4 lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Here are some interesting facts regarding two vegetables on this page:

DANDELION is an outstanding source of vitamin A and a good one of vitamin G. It is high in calcium, iron and copper.

EGGPLANT supplies vitamin G also, and a fair amount of copper.

Seedlings of Eggplant, ready to put out into your garden, are offered on page 89.

CHICORY

Witloof (French Endive). Sow in spring as you would Parsnip. The roots are lifted in the fall and trimmed. They may be planted during winter in a box or trench in a cellar or under a greenhouse bench, so that the neck of the root is 9 inches below the top. Then fill level with sandy soil, sand, or manure; through this the familiar white salad appears in about a month. Pkt. 20 cts., 1/2 oz. 50 cts., oz. 90 cts., 1/4 lb. \$2.75.

Large-rooted Magdeburg Chicory. The roots, roasted, are an ingredient in French coffee; young shoots provide excellent spring salad. Pkt. 15 cts., 1/2 oz. 45 cts., oz. 85 cts., 1/4 lb. \$2.50.

DANDELION

One ounce will plant about 100 feet of drill. Culture. Sow in drills 1 foot apart. Thin the plants to stand 4 inches apart. Dandelion may be blanched like endive, or it may be sown later in the season, plants covered lightly with salt hay, and the following spring they will be fit for use.

Large Thick-leaved. Pkt. 15 cts., 1/2 oz. 45 cts., oz. 85 cts., 1/4 lb. \$2.50.

Catalagna. Described as the cut-and-come-again Catalonian or Italian Dandelion, Asparagus-Chicory or Ciccoria Catalagna. Shoots are a healthful boiled "greens" and a good salad; plant looks like a large, erect dandelion. Pkt. 15 cts., 1/2 oz. 45 cts., oz. 75 cts., 1/4 lb. \$2.15.

EGGPLANT

One ounce will produce about 1000 plants. Yield in about 11 weeks after planting out. Culture. Sow during March indoors; plant out 2 feet apart when fine weather has arrived.

Early Beauty. The earliest, large-sized Eggplant. Particularly desirable for sections with short growing seasons. Fruits dark purple, long-globe shape; productive. Pkt. 20 cts., 1/2 oz. 60 cts., oz. \$1.

Fort Myers Market. The plants produce a continuing crop of fruit all summer. These are longish oval, large, deep black, and of superior table quality, with none of the objectionable "tang" that is found in some. Resists the diseases to which most sorts are liable. Pkt. 15 cts., 1/2 oz. 45 cts., oz. 85 cts., 1/4 lb. \$2.50.

New York Improved Spineless. The fruits are large, round-oval, of a rich deep purple-black color and splendid quality. Free from spines. The large fruits are sometimes produced 10 to a plant. Pkt. 10 cts., 1/2 oz. 40 cts., oz. 75 cts., 1/4 lb. \$2.25.

Long Purple. Pkt. 15 cts., 1/2 oz. 45 cts., oz. 85 cts., 1/4 lb. \$2.50.

Black Beauty. Early, large sort. Pkt. 15 cts., 1/2 oz. 45 cts., oz. 85 cts., 1/4 lb. \$2.50.

We offer COLLECTIONS

of twelve ORNAMENTAL HERB plants, twelve of CULINARY HERBS or twelve FRAGRANT HERBS. Each collection \$3.75

ENDIVE

One ounce will plant 200 feet of drill, and yield 250 heads; many more when thinnings are transplanted elsewhere. Gather about 13 weeks after sowing.

CULTURE. Sow seed from middle of June till last of August. When the plants are fully grown, tie the outside leaves over the heart, to blanch it; this will take a week. Do not tie the leaves when wet.

Batavian Cos. A distinct new variety. It is of the Escarolle type, but the growth is upright, with longer and wider leaves; these curve over and protect the very full hearts to blanch them, much like a Romaine lettuce. Won Honorable Mention in the All-America Seed Selections for 1941. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$2.75.

Deep Heart. Awarded the Silver Medal for outstanding quality in the All-America Seed Selections for 1939. A fringed or curly type, but with the general broad-leaved habit of Escarolle. It is more upright, however, giving it a well-filled heart which will blanch better and be less likely to take soil-carried disease. Normally, it is 10 to 12 inches across and 7 to 8 inches deep. Suitable for all market, estate and private gardens. See illustration below. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$2.75.

Broad-leaved Batavian (Escarolle). Not offered. We recommend the superior **Full-hearted**, described below.

Full-hearted. A newer variety of fine quality, closely resembling Broad-leaved (Escarolle), on which it is an improvement, but the head is more compact and full; it blanches easily. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

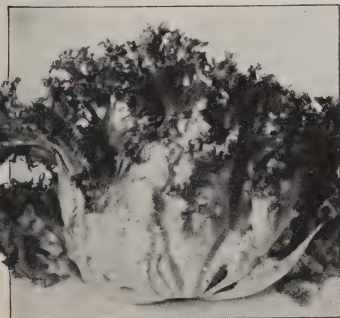
Green Curled Rose-ribbed. (Self-blanching.) Quicker to mature and more upright in growth than the ordinary type. Grown 6 inches apart, in good, rich soil, the plants quickly crowd so that they blanch. Pkt. 15c., oz. 35c., $\frac{1}{4}$ lb. 90c., lb. \$2.25.

Green Curled. The leaves are bright green, finely cut and crinkled, giving the plant a handsome appearance. Blanching easily a creamy white. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

FRENCH ENDIVE. See Chicory.

HORSE-RADISH

Roots. Will produce good Horse-Radish in one season. Plant in rich soil so that the top of the root will be 2 inches underground. 25 cts. per doz., \$1.50 per 100.



Deep Heart Endive

KOHLRABI

One ounce will plant about 200 feet of drill, and yield over 200 pounds of produce Ready in from 8 to 9 weeks

CULTURE. Sow in spring in rows 18 inches apart, and thin away the plants to 6 inches.

Earliest Selected. Very refined flavor. The leaves are small, so this Kohlrabi may be used for forcing, as well as for outside planting. Pkt. 20 cts., $\frac{1}{2}$ oz. 55 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.

Early White Vienna. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 80 cts., $\frac{1}{4}$ lb. \$2.25.

Early Purple Vienna. Pkt. 15 cts., oz. 80 cts., $\frac{1}{4}$ lb. \$2.25.

KALE

One ounce will produce about 3000 plants. A 25-foot row will yield 4 bushels of healthful food. Ready to cut in about 10 weeks.

CULTURE. Sow in May, June, or July in shallow drills; when large enough, transplant singly into rows, allowing 24 inches between the plants.

Dwarf Green Curled Scotch.

Is at its best after frosty weather has set in. The leaves are curled like fine parsley. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.50.

Siberian Kale or Sprouts.

Not so densely curled, but hardy and yields heavily. Known as "German greens." Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.



American Flag Kale

LEEK

One ounce will plant about 100 feet of drill and yields over 200 fine Leeks. About 15 weeks from seeding to edible stage.

CULTURE. Sow seed in early spring outdoors. When plants are about 6 inches long, transplant them to trenches 6 inches deep, in rich soil. Fill up the trenches as the plants grow, and later draw soil up to them. As a result you will have fine, large Leeks blanching a half foot long, which may be kept all winter if dug up with the roots on and stored in sand in the cellar.

S. & W. Co.'s Exhibition. Preferred by prominent exhibitors in vegetable competitions. Pkt. 35 cts., 3 pkts. \$1.

Large American Flag. A large-growing type. On account of its dependability and ease of culture, is widely used for both family and market. Pkt. 20 cts., $\frac{1}{2}$ oz. 90 cts., oz. \$1.75, $\frac{1}{4}$ lb. \$5.

Here is the vitamin and mineral rating of some of the most nutritive vegetables

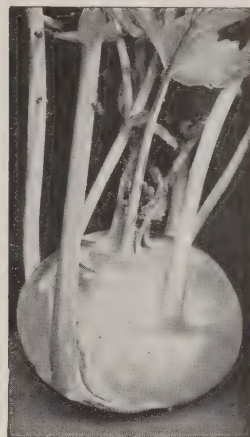
ENDIVE. Outstanding in vitamin A, good source of vitamin C. Fair supply of calcium and iron.

KALE. Vitamins A, outstanding; C, fair; G, excellent. Calcium, excellent; phosphorus, good; iron, fair.

KOHLRABI. Vitamins C, excellent; G, fair. Phosphorus and copper, good; calcium, fair.

LEEK. Vitamin F, fair. Copper, outstanding; phosphorus, good.

MUSTARD. Vitamins B₁, good; C and G, excellent. Calcium and iron, outstanding; phosphorus, excellent.



Kohlrabi

MUSHROOMS

CULTURE. Turn fresh manure every day for four days; then build beds with it, 1 foot thick when tamped firmly. As the internal temperature falls to 85 degrees, plant the spawn, broken into walnut-size pieces. Cover with 3 inches of hay for a week; remove, and spread 1 inch of soil in its place. Keep cellar or shed at 60 degrees, and moisten walls and floors daily. Gathering should begin in six weeks.

May be plugged into the lawn, and a crop of Mushrooms looked for in the autumn.

Bottle Spawn. Spores have been selected from specimen Mushrooms and propagated in sterile bottles, the Spawn removed, dried, and packed in cartons. Excluded from the Spawn are the spores of other fungous growths. One quart will spawn 35 square feet. Qt. \$1.25, 6 qts. \$6.50, 12 qts. \$12.

NOTE. We have discontinued listing Brick Spawn, owing to the preference for the above on the part of most of our customers.

MUSTARD

One ounce will plant 100 feet of drill

CULTURE. Sow frequently through the spring, in drills from 8 to 12 inches apart. The first three varieties are used for boiled "greens"; seedlings of White London are used for sandwich material.

Fordhook Fancy. A variety with crested and cut leaves, and having a feathered appearance. Served as spinach, the flavor is inviting, while the plant possesses healthful tonic properties. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

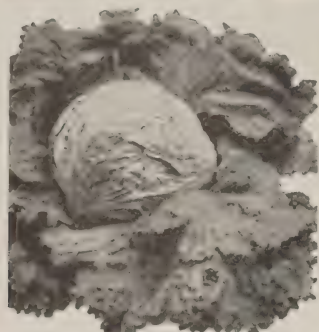
Giant Southern Curled. The plant grows 3 feet tall, and the broad, succulent leaves are cut and frilled. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Mustard Spinach (Tendergreen). A new boiling vegetable, healthful and palatable. Has a pleasant flavor, and many who do not like true Spinach will relish it. Cut within a month of sowing seed. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

White London Mustard. Often raised indoors, broadcast seed on fine soil and press in lightly—don't cover. May also be grown on cloth kept moist. Ready in about ten days. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

OAKLEAF LETTUCE.

Decided novelty. Small dark green leaves shaped as the name suggests. Stands heat; is never bitter; always buttery and sweet. Pkt. 20 cts., oz 65 cts.



New York Lettuce

LETTUCE

One ounce will plant 150 feet of drill.
Matures in from 11 to 12 weeks

CULTURE. About the middle of March sow in the hotbed. When seedlings are about 2 inches tall, transplant them to a coldframe. By May 1, set out in the garden, 1 foot apart. These plants should give you well-developed heads by Decoration Day. As soon as the ground can be worked outdoors, sow early sorts. Gradually thin until the plants finally stand 12 inches apart. After mid-May, do not sow early kinds, but select sorts like Salamander and New York No. 44. Make repeated sowings to have Lettuce always available. In August sow Thanksgiving Day. Continuous hoeing is important.

New York or Wonderful Lettuce

This is "Iceberg" in the vegetable market, but the true Iceberg is described in the next column. New York is a large, gray-green, solid sort, with crumpled leaves and a creamy white, very crisp heart. Here are the latest sub-strains. Let us recommend No. 44 for low land, black and rich; No. 847 if it is more loamy; PW 55 for earliest crop.

ALL-AMERICA HON. MENTION

New York PW 55.

The important feature of this novelty is its extreme earliness, making it one of the quickest sorts you can choose for your first spring Lettuce; other kinds are better in the warmer months. It has splendid table qualities, being crisp and flavorful. Plants are somewhat small, compact and tight. A good kind for both the commercial grower and amateur. Pkt. 15 cts., 1/2 oz. 35 cts., oz 65 cts., 1/4 lb. \$2.

Imperial No. 44. Withstands hot weather and will hold back its seed-heads longer. Leaves are mid-green, thick, and the creamy white head is firm and somewhat flattened. Pkt. 15 cts., oz 30 cts., 1/4 lb. \$1.50, lb. \$4.

Imperial No. 847. Black seed. Gives good results on upland soil. Best early transplanted crop and for the first field planting. Excellent for autumn use. Heads are medium green, well rounded, solid, and with a short core. Pkt. 15 cts., oz 45 cts., 1/4 lb. \$1.35, lb. \$3.50.

New York No. 515. Suitable for the conditions around New York and in demand among the growers in this area. Pkt. 10 cts., oz 40 cts., 1/4 lb. \$1.25, lb. \$3.

New York No. 12. Plant large; dark green, crisply curled leaves, tightly folded, large cabbage-like head, which is well blanched, crisp and sweet. Suitable for spring and late summer plantings. Pkt. 15 cts., 1/2 oz. 30 cts., oz 50 cts., 1/4 lb. \$1.50, lb. \$4.

Other Heading Lettuce

Cosberg. Similar to New York in general appearance, but distinct, smaller, and more suitable for the home-garden. Pale, softer green leaves, and medium-sized, solid heads; excellent crisp salad quality. It stands heat well. Pkt. 15 cts., oz 45 cts., 1/4 lb. \$1.35, lb. \$3.50.

Iceberg (California Simpson). A splendid, crisp-head sort. Has strong center ribs, which bend toward the heart of the plant, keeping it thoroughly blanched. Pkt. 10 cts., oz 35 cts., 1/4 lb. \$1, lb. \$2.50.

Big Boston. (White seed.) As an early spring variety it is reliable, and it is suitable for autumn growing also, but it does not do well as a summer Lettuce. The heads are large, and fine-flavored. Pkt. 10 cts., oz 40 cts., 1/4 lb. \$1.10, lb. \$2.75.

Unrivaled Summer. Quick-growing sort which forms large heads similar to Big Boston but lighter in color. Pkt. 10 cts., oz 40 cts., 1/4 lb. \$1.10, lb. \$2.75.

May King. Unquestionably one of the best all-round, early, outdoor Lettucess, forming solid heads of bright green, the edges of the center leaves tinged brown; the heart is yellow and of ideal flavor. Pkt. 10 cts., oz 30 cts., 1/4 lb. 90 cts., lb. \$2.25.

Mignonette. A curled heading Lettuce of medium size, very solid, compact, and hard. It is brown in color, with a white heart. Resistant to heat. Pkt. 15 cts., oz 45 cts., 1/4 lb. \$1.35, lb. \$3.50.

Salamander Perfected. Also called Black-seeded Tennisball. An excellent summer variety. Grows to large size, with tightly folded leaves covering the center, which blanches a light golden. Pkt. 10 cts., oz 35 cts., 1/4 lb. \$1, lb. \$2.50.

Thanksgiving Day. A fine-flavored Lettuce for sowing in summer to produce a late crop. Outer leaves are brown and fringed, but the firm, solid head is bright gold-green. Pkt. 15 cts., oz 60 cts., 1/4 lb. \$1.75, lb. \$4.50.

Tom Thumb. For indoor culture. The small, firm heads are of excellent quality, while the leaves are dark green and very crumpled. Outdoors it is suitable for spring and fall. Pkt. 15 cts., oz 45 cts., 1/4 lb. \$1.35, lb. \$3.50.

Lettuce seedlings, ready to plant out in your garden, are offered on page 89

Cos or Romaine Lettuce

Upright-growing type. When about a week short of maturity, it is usual to draw the outer leaves together and tie them, blanching the inner heart and greatly enhancing its noted crispness and fine flavor.

Cos Lettuce is easy to grow, slow to bolt to seed and economical of garden space.

Giant White Cos. Although this fine Cos Lettuce attains a large size, the immense heart is crisp, tender, and excellent; self-closing. Pkt. 15 cts., 1/2 oz. 45 cts., oz 85c.

Dark Green Cos. A new mammoth sort, self-closing, resistant to cold, and slow to bolt during hot weather. Pkt. 15 cts., oz 35 cts., 1/4 lb. \$1, lb. \$2.50.

Paris White Cos or Romaine. Pkt. 10 cts., oz 30 cts., 1/4 lb. 90 cts., lb. \$2.25.

Trionon Self-closing Cos. Pkt. 10 cts., oz 35 cts., 1/4 lb. \$1, lb. \$2.50.

Matchless. Midway between heading and Cos types. The dark green leaves are pointed and do not form a tight head, but they, especially the midribs, are most palatable. Pkt. 25 cts., oz \$1, 1/4 lb. \$3.

Loose-leaved Lettuce

Early Curled Simpson. Splendid curly-leaved sort. Seed sown in the coldframe about the middle of March and transplanted about the middle of April will supply the table in May and June. Pkt. 10 cts., oz 30 cts., 1/4 lb. 85 cts., lb. \$2.

Grand Rapids. There is no better forcing variety than Grand Rapids, and it is quite as good for outdoor culture. Large, beautiful leaves; crisp and tender. Pkt. 10 cts., oz 35 cts., 1/4 lb. \$1, lb. \$2.50.

Black-seeded Simpson. Excellent outdoor variety; the easiest to grow. Pkt. 10 cts., oz 40 cts., 1/4 lb. \$1.10, lb. \$2.75.

CELTUCE

The lettuce-like vegetable with the celery flavor. It grows nearly 3 feet high, but when only 12 inches you can use the leaves like lettuce or spinach. When fully grown, remove the leaves, peel the thick main stalk and serve it raw as a salad, or cooked like asparagus. Pkt. 15 cts., 1/2 oz. 35 cts.

OKRA or GUMBO

One ounce will plant about 100 feet of drill

CULTURE. Sow in late May in drills 1 inch deep and 3 feet apart; thin to 12 inches.

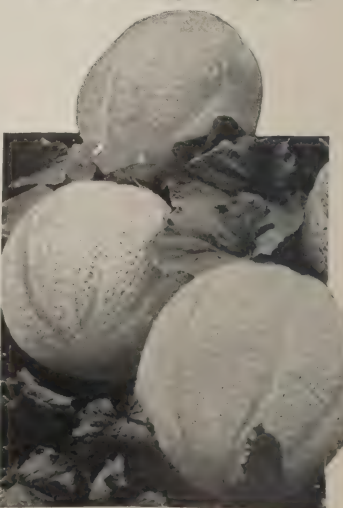
Clemson Spineless. A new and improved sort, almost spineless and of excellent quality. For both the home and market garden, and for canning. Pkt. 10 cts., oz 30 cts., 1/4 lb. 85 cts., lb. \$2.

Lady Finger. Very productive; extra-long, slender, rounded pods. Pkt. 10 cts., oz 20 cts., 1/4 lb. 45 cts., lb. \$1.

Long Green. Long ribbed pods. Pkt. 10 cts., oz 20 cts., 1/4 lb. 45 cts., lb. \$1.

White Velvet. Pods are round, smooth and white; superior flavor. Pkt. 10 cts., oz 20 cts., 1/4 lb. 45 cts., lb. \$1.

Dwarf Green. Short, deep green pods. Pkt. 10 cts., oz 20 cts., 1/4 lb. 45 cts., lb. \$1.



Bender's Surprise Melon. (See next page)

WE ARE SORRY that short seed crops, and the war, have caused a scarcity of High Quality Seeds of strong vitality. We regret, also, that this has resulted in an increase in cost of Onion seed.

MELON (*Cantaloupe*)

One ounce will plant about 80 hills. Each hill should produce 6 or more perfect melons. Yield in from 12 to 14 weeks.

CULTURE. Sow the seed in April under Hotkaps, and in the open air in May in hills 6 feet apart each way. Use in each hill from 8 to 10 seeds. When the plants have produced their rough leaves, thin out to three plants per hill. As soon as the plants make their appearance above ground dust them with Hortex or similar material.

Golden or Orange-fleshed

Hale's Best. Most superior melon of the Rocky Ford type; oval shape. Quick to produce its fruits; the flesh is salmon-orange, sweet, and of fine quality. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Bender's Surprise. An almost round melon of medium size, with very thick, sweet, pink flesh of luscious, melting quality. The dark green, heavily netted skin ripens to an attractive gold. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.

Banana. Narrow, curved, and as much as 30 inches in length. The flesh is a deep salmon, sweet, and of good quality. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Selected Emerald Gem. The skin is a rich deep green, and smooth; flesh salmon color and of delicious flavor. A very early and prolific variety. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.

Hearts of Gold or Improved Hoodoo. Ideal shipping melon of the finest quality. Flesh very thick, firm, of fine texture and delicious flavor. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Golden Delicious. Golden! Delicious! Its remarkable speed from seeding to yield is about one of its qualities. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.

Green-fleshed

Honey Gold. A new, early, and very handsome sort for market work and shipping; good, also, for the home-garden. The grapefruit-like melons are medium in size and very fleshy, because the seed-cavity is small and the rind very thin. Fine flavor; very sweet, like a Honey Dew melon. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1.50, oz. \$2.50.

Rocky Ford. The fruits weigh from $1\frac{1}{4}$ to $1\frac{1}{2}$ pounds each. Thick meat, green in color, fine in flavor, with thin rind; skin light green, ribbed and heavily netted, ripening to a golden yellow. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

"10/25" Salmon Tint. The fruit is heavily and evenly tinted, very uniform in size, rust-resisting, and early; the flesh is a rich gold in the center, shading out to emerald-green near the rind. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Honeydew. Well-known very sweet variety. The flesh is green, very thick, and, unlike some melons, it ripens uniformly to the rind. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.

Early Hackensack. An early strain of the one-time famous Hackensack variety. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Cassaba. They are true winter melons. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.50.

Forcing Melon

Royal Jubilee. A splendid, oval, green-fleshed melon. Skin almost white, handsomely netted. Pkt. 75 cts.

ONION

One ounce will plant 100 feet of drill and yield 100 to 150 pounds of food. 5 to 6 pounds of seed per acre. Takes 14 to 15 weeks from seed to maturity.

CULTURE. For large Onions sow in a 'hothed early in January or February and transplant to the open 6 inches apart. For the main supply, sow in rich, sandy soil, in drills 1 foot apart, early in spring, and firm well. Thin to 3 to 4 inches apart.

Onions are an aid to buoyant health and are a good source of vitamin B₁.

Mild White Varieties

S. & W. Co.'s Southport White Globe. Produces handsome and uniformly globe-shaped bulbs. The flesh is firm, fine-grained and of mild flavor. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.

White Portugal or Silverskin. A mild variety, used for pickles. Tender and altogether fine. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.

White Bunching. For scallions and small onions. Pkt. 10 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.65.

Evergreen Bunching. Long, white sort; may be sown in spring or fall. Protect over winter with salt hay or leaves. A tender, mild 'Scallion.' Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.

Leading Yellow Kinds

S. & W. Co.'s Southport Yellow Globe. It has large and uniformly spherical bulbs with very small necks. The largest diameter is below the center of the bulb. The color is a rich orange-yellow. Keeps splendidly. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.75.

Early Yellow Globe. Attractive, deep yellow Onion, medium large in size with a tight skin; keeps well. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.75.

Yellow Globe Danvers. A splendid keeper, producing well-rounded bulbs about $2\frac{1}{2}$ inches in diameter; skin light golden yellow; flesh white, crisp, and mild. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Ebenezer. A dark yellow variety. Bulbs are deep, flat, or medium size, very firm, with a thick skin. Early and keeps well. A popular Onion. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Extra Large-growing Kinds

S. & W. Co.'s Selected Ailsa Craig. This Onion is one of the largest grown. It is a very handsome, oval-shaped variety with pale straw-colored skin. For exhibition it is unexcelled, and to attain its largest size it should be sown in January and transplanted. Keeps well and has a mild flavor. A splendid variety. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.

Prizetaker. Uniform in shape and of immense size. Under special cultivation bulbs have been raised to weigh from 2 to 3 pounds each. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.

Riverside Sweet. The largest, sweetest, best-keeping, and most uniform of the Spanish Onions. Globular in shape, with golden yellow skin and white flesh; the strain we are offering is very mild. We recommend it highly. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.



White Portugal Onions

Onions, continued

Long-keeping Red Onions

S. & W. Co.'s Southport Red Globe. This variety has a deep red skin and is almost a perfect globe. Size large, flesh fine-grained, mild and tender. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Large Red Wethersfield. This is the standard red variety, and a favorite wherever Onions are grown for shipment. Bulb large, somewhat flattened, skin deep purple-red; flesh purplish white, moderately fine-grained, and with a strong flavor. The best keeper, and one of the most popular for general cultivation. Pkt. 10 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Bermuda Onions

These are large, flat, quick-growing types, with a pleasant, mild flavor.

Crystal Wax (White Bermuda). Pkt. 20 cts., $\frac{1}{2}$ oz. 65 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$3.50.

Yellow Bermuda. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.15, $\frac{1}{4}$ lb. \$3.25.

Red Bermuda. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.15, $\frac{1}{4}$ lb. \$3.25.

Onion Sets

Sets will produce green, bunch or full-grown Onions much quicker than will seed. Garlic Sets and Potato Onions divide and increase in the soil. Egyptian Onions are autumn-planted hardy perennials, yielding green pulling Onions every spring.

	Ot.	$\frac{1}{2}$ pk.	Pk.
White Onion Sets.....	\$0.50	\$1.75	\$3.25
Yellow Onion Sets.....	45	1.50	3.00
Yellow Ebenezer.....	50	1.75	3.25
Red Onion Sets.....	50	1.75	3.25

Egyptian Top Onions. Fall delivery..... 45 1.50 2.75
Garlic Sets. Lb. 50 cts., 5 lbs. \$2, 10 lbs. \$3.75.

Potato Onion Sets (True Potato). Lb. 60 cts., 5 lbs. \$2.50, 10 lbs. \$4.50.

GROW FOOD

To release more for our Fighting Forces and Allies



Evergreen
Parsley

PARSLEY

One ounce will plant about 150 feet of drill,
and yield over 150 good bunches

CULTURE. Sow early in the spring in drills 1 foot
apart and $\frac{1}{4}$ inch deep. Thin out the young plants
at 4 inches. Hamburg Parsley should be treated
the same as carrots.

Parsley should be used freely in salads,
soups and sauces. An outstanding source of
vitamins A and C, and a good source of B;
it supplies calcium, phosphorus, iron and
copper.

Evergreen. A new rapid-growing, vigorous
sort that will give you Parsley later in the
autumn because it is more resistant to cold.
Larger, denser, more spreading and very
dark in color. Tightly curled, but its sturdiness
is associated with slightly coarser cut
leaves. Ideal for the market man as well as
the private grower. Pkt. 15 cts., oz. 40 cts.,
 $\frac{1}{4}$ lb. \$1.

Champion Moss Curled. A particularly
beautiful type. A bed of this has the appearance
of fine moss. Pkt. 10 cts., oz. 25 cts.,
 $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Extra Double Curled. A market variety.
The leaf is finely cut, curled and vivid
green. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75
cts., lb. \$1.75.

Exhibition Curled. Remarkable for its
extra-fine leaves and its dense habit of
growth. Seed saved from exhibition plants.
Pkt. 25 cts., 5 pkts. \$1.

Plain. Known widely as Italian Parsley.
Used for flavoring. Pkt. 10 cts., oz. 25 cts.,
 $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Hamburg or Rooted. The roots of this
type resemble parsnips. Pkt. 10 cts., oz.
25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

PEANUTS

CULTURE. These require similar soil conditions
to garden corn. Remove the outer shell without
tarring the kernels, and sow the latter in drills
2½ feet apart and 1½ inches deep. Allow 9 inches
between one "nut" and the next in the row.

Improved Spanish. Though small, this is
a quick-growing sort and one that is suitable
for northern gardens. Pkt. 10 cts.,
lb. 55 cts.

California Long Red. Larger than the
above but slower to mature. Plant this
variety south of the latitude of New York,
where the longer summer will enable it to
yield a heavy crop. Pkt. 10 cts., lb. 55 cts.

PEPPER

One ounce will produce about 1000 plants.
From a 25-foot row you should gather 30
pounds or more of good Peppers. Pick 9 to
12 weeks after setting out.

Outstanding source of vitamin C, and a fair
one of A and G.

CULTURE. Peppers should not be planted out
until settled warm weather has arrived. The seed
may be sown in a hotbed, coldframe, or a box in a
sunny window; transplant into rows 20 inches
apart each way, and keep the soil well stirred.

Splendid Sweet Peppers

World Beater. One of the largest and most
handsome Peppers. It fruits as early as
Ruby King and it is similar in shape, while
it has the fine flavor and large size of Chinese
Giant. The fruits are $\frac{3}{4}$ inches in
diameter by 5 inches long, four lobed, and
the flesh is very thick, mild, and sweet. Excellent
for the private estate, the amateur,
and the commercial grower. Pkt. 15 cts.,
 $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Perfection Pimiento. The meat is 2 or 3
times as thick as that of the Bell types.
The quality is very sweet and delicious and
entirely free from pungency. In color,
when ripe, it is a beautiful scarlet-red.
Pkt. 10c., $\frac{1}{2}$ oz. 35c., oz. 65c., $\frac{1}{4}$ lb. \$2.

Chinese Giant. This is the standard large
sweet Pepper. It is quite early to ripen
and very productive for so large a variety.
The fruits are 4 to 5 inches broad at the
top, and of equal length. The flesh is mild
and unusually thick. Pkt. 15 cts., $\frac{1}{2}$ oz.
50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.75.

California Wonder. An early-yielding variety
with the thickest kind of high-quality
flesh, and one of the sweetest. Its scarlet
fruits are tremendous, sometimes measuring
6 inches deep and 6 inches through.
Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts.,
 $\frac{1}{4}$ lb. \$2.75.

Large Bell or Bull Nose. A large, early variety
of pleasant flavor, though mild. This
is the variety for green stuffed Peppers.
Pkt. 10c., $\frac{1}{2}$ oz. 35c., oz. 65c., $\frac{1}{4}$ lb. \$2.

Neapolitan (Jersey Sweet; White Cap).
Very early and an extraordinary yielder.
Its fruits grow upward, not pendent. They
are bright red, sweet, fine, and tender.
Pkt. 10c., $\frac{1}{2}$ oz. 35c., oz. 65c., $\frac{1}{4}$ lb. \$2.

Ruby King. Fruits are $\frac{4}{5}$ to 6 inches long,
 $\frac{3}{4}$ inches thick, and bright red. Used
both for pickles and slicing. The flavor of
the fruits is mild and pleasant, with just a
slight suspicion of piquancy. Pkt. 10 cts.,
 $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.

Sunnybrook Cheese. A very prolific and
popular canning variety. Fruits average
3 inches in diameter and 2 inches deep.
The skin is smooth and of deep scarlet
color and the flesh is thick and sweet. Pkt.
15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Hot Peppers

Hungarian Wax. Turns from green to yellow
when young, and red when ripe. Matures
early. Long type, fruits 5 to 6 inches.
Prolific. Pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.

Long Red Cayenne. Fruits 4 inches by 1
inch; bright red; prolific; hot. For pickling,
both green and ripe. Pkt. 15 cts., $\frac{1}{2}$ oz.
45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Cherry Red. Small, round fruit, rich scarlet
in color, and extremely piquant. Pkt.
15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.75.

Unless You Grow Your Own
some vegetables readily obtainable here-
tofore will not be available in 1943

PARSNIP

One ounce will plant about 200 feet of drill
and yield 300 pounds; use 5 to 6 pounds of
seed per acre. Takes 10 weeks from seed to
maturity.

Good source of vitamin C; fair source of B₁
and G. Supplies phosphorus and copper.

CULTURE. Sow as early in spring as the ground
can be worked, in drills 18 inches apart. The quality
of the roots is improved after frost; they may be
allowed to remain in the ground all winter.

Improved Hollow-Crown. A great improvement
over the old-time Hollow-Crown variety; clean, well shaped and
smooth. Excellent for table or exhibition.
Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90c., lb. \$2.25.

New Intermediate. The root is somewhat
flattened and top-shaped, about 6 inches
long and 4 inches across the thickest part.
It matures quickly. Pkt. 10 cts., oz. 30 cts.,
 $\frac{1}{4}$ lb. 90 cts., lb. \$2.25.

Selected Exhibition. Produces roots several
feet in length and ending in a fine
whip-thong. The surface is smooth and
white. The flavor is mild and sweet. Pkt.
25 cts., 5 pkts. \$1.

RHUBARB

CULTURE. Plant the roots in well-manured land,
3 feet apart. Sow seed in spring in drills a foot
apart; transplant the following season 3 feet apart.
One ounce of seed should produce about 1000 roots.

Victoria. A reliable sort which has given
good results for many years.

Roots 15 cts. each, \$1.65 per doz., \$12.50
per 100; extra-strong clumps, 25 cts. each,
\$2.75 per doz., \$20 per 100. Extra-large
clumps for forcing in the greenhouse or
cellar, 50 cts. each, \$5.50 per doz., \$37.50
per 100. Purchaser pays transportation.

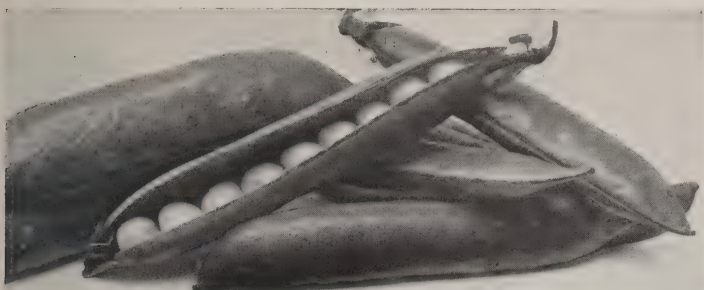
Seed. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb.
\$1.25, lb. \$3.50.

McDonald. This strain originated at
McDonald College in Canada and has been
proved hardy even in Alaska. The thick,
sturdy stems are produced abundantly
and are a deep crimson. Surprisingly
tender and delicious, you will agree that
McDonald is the best Rhubarb ever
developed.

Roots only (divisions), 30 cts. each,
\$3.25 per doz., \$22.50 per 100.



World Beater Pepper



Admiral Beatty Peas

GREEN PEAS

One pound (equal to about 1 pint)
will plant 100 feet of drill.

CULTURE. Sow round, smooth-seeded sorts as early in the spring as practicable, and the superior-flavored wrinkled Marrow varieties two weeks later. Use several kinds at each seeding to insure as long a productive season as possible. Use single or double rows 4 feet apart and cover 2 inches. Sorts growing over 1½ feet need the support of brush or wire. Varieties marked * are wrinkled Marrows.

Early Smooth-seeded Sorts

Early Bird. Combines the hardness of the round-seeded types with the quality of the wrinkled Marrowflats. The plant grows 4 feet high. Throughout its height it bears profusely 4-inch pods closely packed with Peas of fine flavor. Yields in 9 weeks from seeding. ½lb. 30 cts., lb. 50 cts., 2 lbs. 95 cts., 5 lbs. \$2.10, 15 lbs. \$5.25.

Eight Weeks. A reliable first-early round-seeded Pea 1½ feet high. It bears in rather less than 50 days from sowing seed. A good yielding variety, and excellent for the small garden because it takes so little room and needs no supporting brush. ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$5.

First of All or Pedigree Extra-Early. A splendid cropper. Peas very tender, of good flavor and carried in long, tightly filled pods. 60 days from planting to picking. ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$1.85, 15 lbs. \$4.50.

Early Wrinkled Sorts

***Giant-Pod Hamper.** A new 65-day Pea with dark green, pointed, heavily filled 4½ to 5-inch pods. Large wrinkled Peas, very tender and of fine flavor. Thrifty plant grows 2 feet high. ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$5.

***Gradus or Prosperity.** One of the standard sorts. Vines have light green leaves, and grow about 3 feet high. Pods uniformly large, 4 to 4½ inches in length, well filled and handsome. Very early, and the Peas are of fine flavor. 65 days from seed to picking. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$5.

***Laxtonian.** The large pods are filled with large, luscious Peas. It is ready for use about a week later than the very early sorts. The plant grows about 1½ feet high, and is of a rich dark green color. 62 days. ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$5.

***Laxton's Progress.** The pods are 4 inches long and are filled with 8 large, melting, sweet Peas. The plant grows 1½ feet high. A variety that is excellent in every way. 60 days. ½lb. 30 cts., lb. 50 cts., 2 lbs. 95 cts., 5 lbs. \$2.10, 15 lbs. \$5.25.

***Little Marvel.** Eighteen inches high, heavily set with fine pods, usually in pairs. Pods are 3½ inches in length, square at bottom, filled with large, deep green Peas. 62 days. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$1.85, 15 lbs. \$4.50.

***Sawco Market.** Vines robust, growing from 2 to 2½ feet high, bushy, with dark green leaves. Pods filled with 8 to 11 Peas of delightful flavor. Award of Merit, R.H.S. (Eng.). Pkt. 15 cts., ½lb. 30 cts., lb. 50 cts., 2 lbs. 95 cts., 5 lbs. \$2.25.

***Sutton's Excelsior.** Dwarf and very productive. Height 1½ ft. Matures in 63 days. ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$1.85, 15 lbs. \$4.50.

***Thomas Laxton.** The Peas are of extra-fine quality, tender and of good flavor. Height 3 ft. Ready for picking in 63 days. ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$1.85, 15 lbs. \$4.50.

***World's Record.** An improved Gradus, but somewhat earlier and showing even a higher yield. Yields in 61 days. ½lb. 30 cts., lb. 50 cts., 2 lbs. 95 cts., 5 lbs. \$2.10, 15 lbs. \$5.25.

Main-Crop Sorts

***Admiral Beatty.** It is 3½ feet high, and the Peas are wrinkled; their cooking quality is excellent. Pods are long, pointed, and contain 9 or 10 Peas. Eleven weeks. Pkt. 15 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$5.

***Alderman.** On generous soils it grows to a height of 5 to 6 feet. The pods contain 7 large, elongated, dark green Peas of the highest quality. Eleven weeks from planting to picking. ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$5.

***Boston Unrivaled or Telephone.** A fine tall late variety. The yield of pods is good and they are uniformly well filled. 5 ft. Twelve weeks from seed to harvest. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$5.

Peas are a valuable protein food, an excellent source of vitamin B₁, a good one of vitamin G and a fair one of A. Outstanding in their phosphorus content, they also furnish iron and copper.

The average yield from a 25-ft. row of dwarf Peas is 25 to 30 lbs. of pods; about 25 per cent more for tall sorts.

***Delicious.** The dark green, stocky, vigorous vines are only 2 feet high, covered with an abundance of large, long, tightly filled pods; in them are as many as 9 or 10 big, sweetly melting, delicious Peas. Crop may be gathered about 75 days after seeding. ½lb. 30 cts., lb. 50 cts., 2 lbs. 95 cts., 5 lbs. \$2.25.

***Potlach.** The best dwarf, extremely late Pea. Healthy bluish green vines, bearing loads of deep green pods. A continuous bearer from July 1 to 15 in most seasons. 2 ft.; takes 13 weeks in which to grow. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts., 5 lbs. \$1.85, 15 lbs. \$4.50.

***Quite Content.** One of the largest-podded Peas in existence. This variety is preferred by many growers to Alderman on account of its size. 5 ft. ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$5.

***Sawco Forty.** A dwarf plant which produces pods 5½ to 6½ inches long. At a flower show where pods of this variety were being exhibited, a wit placed a sign above them reading, "These are Peas, not Bananas." Their cooking quality is of the best. 75 days from sowing to harvest. ½lb. 30 cts., lb. 50 cts., 2 lbs. 95 cts., 5 lbs. \$2.25.

Edible-podded Sugar Peas

Used in the same manner as wax beans

Luscious Melting Sugar. Large, broad pods which are so brittle that they snap with no string. 5 ft. Ten weeks from seed to yield. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$1.85, 15 lbs. \$4.50.

Very Dwarf White Sugar. Height 1½ ft. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$1.85, 15 lbs. \$4.50.

PUMPKINS

Good source of
vitamin A

One ounce will plant 50 hills.

Fruits are ripe 15 to 18 weeks after sowing seed and 4 to 5 per hill may be expected.

CULTURE. Plant in April or May, among corn, or in the garden, in hills 8 to 10 feet apart, and otherwise treat in the same manner as melons.

Large Cheese. Fruit flattened, the diameter being three times more than the thickness; skin mottled light green and yellow, changing to rich cream-color as it matures; flesh excellent quality. Pkt. 10 cts., oz. 25 cts., ¼lb. 60 cts., lb. \$1.50.

Sweet or Sugar (New England Pie). The fruits are medium to small in size, of a bright orange color, and in shape are round, flattened at the ends. The flesh is of remarkably good cooking quality, very thick, and deep yellow. Pkt. 10 cts., oz. 25 cts., ¼lb. 60 cts., lb. \$1.50.

Winter Luxury. Best pie Pumpkin; productive; keeps well. Finely netted and russet in color. Pkt. 10 cts., oz. 25 cts., ¼lb. 60 cts., lb. \$1.50.

Connecticut Field. Large, flat-round, deep orange fruits. Good for pies, also largely grown for stock feeding. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.25.

King of the Mammoths. Recommended where size is the chief consideration—200 pounds or more being not an unusual weight for a single specimen. The fruit is flat-round; the skin is yellow, as also is the thick flesh. Pkt. 15 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$2.

TEST YOUR SOIL and find out exactly what plant-foods it needs.

WITH THE HORTICULTURAL KIT

you can examine sixty soil samples. The cost? Only \$9.75.

SEED POTATOES

CULTURE. The best soil is a well-drained fibrous loam. Before planting, work in Sawco General Garden Fertilizer at the rate of 1500 pounds to the acre if applied broadcast, or 750 pounds if applied under the row. Cut into pieces, each containing at least one good eye; space evenly and plant 2 inches deep in 3-foot rows.

Allow $\frac{1}{2}$ peck or more for each 100 feet of row; 6 sacks (10 bushels) will plant an acre. A bushel weighs 60 pounds; a peck 15 pounds.

Use Semesan Bel. Dusted on your seed potatoes at planting-time, it controls disease and produces increased yields of healthy plants and tubers. 1 lb. will treat up to 20 bushels. 2 ozs. 30 cts., lb. \$1.65, 5 lbs. \$7.15, 25 lbs. \$33.25.

Purchaser pays transportation on Seed Potatoes beyond 50 miles of New York

Production varies in different soils and seasons. A return of 16 for one is a rather high average. 16 half-pecks for 1 peck planted, 96 sacks for 6 sacks planted.

A Fine Intermediate Potato

Katahdin. Matures about a week later than Irish Cobbler. Whiteskin and white flesh, with a very shallow eye. Handsome oval shape. Excellent cooking quality, and the preferred variety for Potato chips. $\frac{1}{2}$ pk. \$1.25, pk. \$1.75, $\frac{1}{2}$ bus. \$3, bus. \$5.50, 100-lb. sack \$7.50.



Early Scarlet Globe Radishes

Early Scarlet Globe. The best general-purpose variety in this class, perfecting handsome round-oval roots in from 28 to 30 days after sowing. Brilliant in color, short-leaved, crisp and white; an excellent variety for forcing. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.60.

Sparkler. Of rich carmine-scarlet color, with a pronounced white tip. The roots are solid, crisp, and sweet. It is equally well adapted for forcing or growing in the open ground. While the leaves are small, they are sufficiently large for bunching. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Early Scarlet Turnip. Handsome, flat-round roots, $\frac{3}{4}$ inch in diameter by $\frac{1}{2}$ inch deep through. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

French Breakfast. The olive-shaped counterpart of Sparkler. Mild and crisp. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Early Long Radishes

Ready in about 35 days

White Icicle. A good Radish for all purposes in the home-garden; also fine for market or growing under glass. Within 30 days from sowing, the roots attain a length of 4 to 5 inches, by $\frac{3}{4}$ inch in diameter at the thickest part. The skin is thin, the flesh crisp and mild. Remains for a long period in fine table condition. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Cincinnati Market. Roots 6 to 7 inches long, an inch thick through, are produced 35 days after sowing. Skin rosy scarlet, blending into a white tip. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Summer Variety

Ready in about 40 days

White Strasburg. Shape tapering; skin and flesh both white; excellent summer variety. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 60c., lb. \$1.50.

Long-keeping Winter Varieties

Ready in about 8 weeks

Rose China. Bright rose skin; flesh firm and piquant; fine for winter use. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Long Black Spanish. The popular winter sort. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Round Black Spanish. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Fresh-pulled Radishes are refreshing. They are an excellent source of vitamin B₁ and a fair source of vitamin C. They furnish a good amount of copper.

Katahdin Potatoes

Standard Early Potatoes

Mature in 9 to 11 weeks

Chippewa. Husky variety that resists disease and crops heavily. Tubers are of medium size, pure white and smooth, longish-round in shape, with shallow eyes and excellent cooking quality. Popular with Long Island growers. $\frac{1}{2}$ pk. \$1.25, pk. \$1.75, $\frac{1}{2}$ bus. \$3, bus. \$5.50, 100-lb. sack \$7.50.

Early White Albino. A good cropper. The skin and flesh are pure white, of good cooking quality, and very prolific. One of the best early varieties to withstand blight and disease. Keeps well. $\frac{1}{2}$ pk. \$1.50, pk. \$2, $\frac{1}{2}$ bus. \$3.25, bus. \$6, 100-lb. sack \$8.

Irish Cobbler. Does well on a wide range of soils; very productive. The skin is creamy white, sometimes netted; eyes are strong, well developed, and but slightly indented. The flesh is white and of fine quality. $\frac{1}{2}$ pk. \$1, pk. \$1.50, $\frac{1}{2}$ bus. \$2.75, bus. \$5, 100-lb. sack \$7.

Spalding Rose. (Selected.) A pink-skinned variety which is grown extensively in some sections. A Potato of good size and fine quality. $\frac{1}{2}$ pk. \$1.25, pk. \$1.75, $\frac{1}{2}$ bus. \$3, bus. \$5.50, 100-lb. sack \$7.50.

Best Main-Crop Potatoes

Mature in 12 to 14 weeks

Russet. The haulm is dark green; very resistant to blight. The tubers are round to oblong, very large, and from 6 to 10 are ordinarily obtained from a hill; the flesh is pure white, and the skin has a roughened russet appearance. $\frac{1}{2}$ pk. \$1, pk. \$1.50, $\frac{1}{2}$ bus. \$2.75, bus. \$5, 100-lb. sack \$7.

Gold Coin. A variety of remarkable productiveness and fine table quality; slightly oblong form; light golden skin; flesh pure white, fine-grained; cooks very dry. $\frac{1}{2}$ pk. \$1, pk. \$1.50, $\frac{1}{2}$ bus. \$2.75, bus. \$5, 100-lb. sack \$7.

Green Mountain. A late, heavy cropper of excellent quality; skin smooth and white; shape roundish flat; eyes few and shallow; a good keeper. $\frac{1}{2}$ pk. \$1, pk. \$1.50, $\frac{1}{2}$ bus. \$2.75, bus. \$5, 100-lb. sack \$7.

Sweet Potato Plants

Ready in June

Yellow Jersey.
Big Stem. Yellow.

Each variety, \$1 per 100, \$7.50 per 1000

We do not ship Sweet Potatoes beyond 50 miles

RADISHES

One ounce will plant about 100 feet of drill
One generous bunch per foot of row is an average yield.

CULTURE. As early in the spring as the ground can be worked, sow sparingly any of the round or olive-shaped varieties, allowing 1 to $1\frac{1}{2}$ feet between the rows. Thin to 1 inch apart (summer and winter sorts need 4-inch spacing). Hoe frequently. The round and olive-shaped sorts serve until June 15, when Icicle and Cincinnati Market are at their best. Summer sorts are good until frost from repeated sowings. Winter varieties should be sown about July 1, and may be pulled after light frosts and stored through winter.

Round and Olive-shaped

Ready in about 25 to 30 days

Special Forcing. A superior Scarlet Globe. Very quick to mature. Its small top gives plenty of room in the frame or greenhouse. Excellent mild flavor, smooth, crisp, and good. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 55 cts., lb. \$2.

Crimson Giant. Round. Crisp white flesh of high quality, brittle and mild in flavor. May be grown to a larger size than most kinds before it becomes inedible. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

White Pearl. The finest white round Radish. Matures quickly and does not get hollow. Suitable both for spring and summer use, superior to the older variety, White Box. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.



Giant Lucullus Swiss Chard

SALSIFY

Vegetable Oyster

One ounce will sow about 50 feet of drill

CULTURE. Sow early in spring, in drills 12 inches apart and 1 inch deep, thinning out the young plants to 6 inches. The roots will be ready in October, when a supply should be taken up and stored like carrots.

Mammoth Sandwich Island. Tender and delicious. Superior to all other sorts. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$2.75.

SORREL

One ounce will sow about 100 feet of drill

CULTURE. Sow early in the spring in drills 6 to 8 inches apart.

Garden. Used for salads, on account of its pleasant acid flavor; also as a boiled vegetable. Yields for several years. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25, lb. \$6.

Produce Your Own Salads

They are easy to raise in almost any garden

Grow the following kinds. Serve them uncooked and garden-fresh, so that their vitamins reach you unimpaired. They are healthful and full of minerals.

Cabbage	Mustard
Celeriac	Onion
Celery	Parsley
Chicory	Pepper
Chinese Cabbage	Radish
Cress	Romaine
Cucumber	Sorrel
Dandelion	Tomato
Endive	Watercress
Lettuce	Various Herbs

The best varieties are described on pages 2 to 19, where you will also find notes on their cultivation.

SWISS CHARD *Spinach Beet*

One ounce will plant about 100 feet of drill, and yield more than 10 bushels of produce. Cutting commences in about 7 weeks.

Leaves may be boiled, adding fried chopped bacon if you so desire. The stalks may be served as a distinct dish cooked like asparagus. Sow early in spring in rows and thin to 6 inches.

Mammoth New York. This is a large, distinct sort, medium green in color. The leaves are smooth, and the stalks are milk-white. Not earthy flavor. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 55 cts.

Giant Lucullus. Plants grow to a height of 2 to 2½ feet and the stalks are $\frac{1}{4}$ inches broad, heavily ribbed, and from 10 to 12 inches long. Leaves are much crumpled. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Green Lyon. A vigorous-growing, stocky type with smooth, deep green leaves and broad, thick, white stalks. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Fordhook. A giant variety with broad, wrinkled, dark green leaves and broad white stems. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$2.75.

Rhubarb Chard. Bright crimson stems and dark green and crimson leaves give this variety a striking appearance; it looks like rhubarb at first sight. Grow and cook it as you would other Chards, and you will find it even more delicious. Decorative in the flower garden, too. Pkt. 15 cts., oz. 60 cts.

Swiss Chard and Spinach are among the most healthful of foods. Both are high in vitamins A and G, and in all minerals, especially iron. Swiss Chard is also an outstanding source of vitamin B₁ and Spinach an excellent source of vitamin C.

SPINACH

One ounce will plant about 100 feet of drill, and produce over 6 bushels of Spinach. Gather about 7 weeks after seeding.

CULTURE. Sow in March or April in drills an inch deep and 14 inches apart; again in August or September. Spinach requires rich soil.

Emerald Standing. Large and vigorous type, of compact, spreading growth. Leaves are large, thick, slightly crumpled, very fleshy, and carried on long stems. Dark green. The most important point, however, is that it stands fully one month longer than any other variety before bolting to seed. Yet it is quick-growing. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Blight-Resistant. A Savoy-leaved Spinach which may be grown on soil infected with blight. Since it tends to bolt to flower somewhat freely, we do not advise extensive seedings in warm weather. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.60.

Old Dominion. A hybrid into which resistance to mosaic disease has been bred. Very hardy, and much used in late autumn, when seed remains dormant over winter and germinates first thing in spring. Good for early spring sowing also. Wrinkled leaves. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Large Thick-leaved. Splendid for market. Slow to run to seed; recommended for spring and early fall seedings. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Princess Juliana. A splendid all-purpose variety; good for the home gardener and commercial grower alike. Large, wrinkled and blistered dark green leaves. Slow to bolt in hot weather. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

SPINACH, continued

Viking. A new quick-growing sort, but one that is slow to run to seed. Large medium-blistered leaves; dark green. Excellent home-garden variety. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Bloodsail Savoy. Dark green type. Valued alike by market growers and home gardeners because of its earliness. The leaves are wrinkled and crumpled. Yields heavily and is particularly hardy. The standard sort for early spring. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.60.

Long Standing Savoy. A medium-dark green type of the Bloodsail Savoy that is resistant to heat. Use it for your second sowings, for it is slow to bolt. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.



New Zealand Spinach

Ready in about 10 weeks from sowing. The plants grow vigorously, do not run to seed, and withstand drought better than true Spinach. Furnishes a summer supply of "greens."

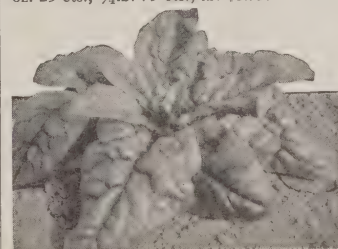
Sow during May, in drills 2 feet apart. Thin to 9 inches between plants. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.50.

Perpetual Spinach

This desirable cut-and-come-again plant may be sown from April to June, and in six weeks cutting may commence, to continue right through into fall. The "greens" furnished are similar in flavor to true Spinach, the leaves being very tender; they are both palatable and healthful. Cut the leaves about 3 inches from the ground. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.35 lb. \$3.50.

Mustard Spinach (Tendergreen)

See description on page 9. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.



Savoy Spinach



Giant Bush Summer Crookneck Squash

SQUASH

One ounce plants about 25 hills, and each hill should yield 6 to 8 good Squashes.

CULTURE. It is not advisable to plant before May 15. Sow bush varieties in hills 6 feet apart; trailing sorts 6 to 8 feet apart. Sow 6 or more seeds, thin later to three plants in a hill.

Summer Varieties

Ready in about 9 weeks from sowing

Giant Bush Summer Crookneck. Crookneck has been popular for many years, because of its refined, fresh, delicious flavor. In this newer type these points are retained, but the fruits are double the size. Pkt. 10 cts., oz. 30 cts., ¼ lb. 85 cts., lb. \$2.

Long Island White Bush (Improved Patty Pan). Shallow grooves and a thicker, heavier fruit than the type. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$1.75.

Straightneck. Similar to Summer Crookneck, but straight. Fruits warted, 20 inches long. Delicious flavor. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$1.75.

Zucchini. European sort that is popular here. Prolific, tender, and of mild flavor. The fruits should be gathered when 6 inches long, and are prepared like other Squash, or fried in the same way as eggplant. Pkt. 10 cts., oz. 30 cts., ¼ lb. 85 cts., lb. \$2.

See next page for the delicious Squash known as vegetable marrow.

Fall or Winter Varieties

Ready in from 13 to 15 weeks from sowing

Acorn (Table Queen; Des Moines). One of the earliest. The fruits are 6 inches long by 4½ inches in diameter; dark green shell, but the flesh is light yellow and thick. A trailing summer Squash that also keeps well into winter. Pkt. 10 cts., oz. 30 cts., ¼ lb. 90 cts., lb. \$2.25.

Golden Table Queen. In this newer, slightly smaller type, the flesh is exceptionally sweet, rich and pleasing. Skin ripens to a golden yellow. A prolific sort, excellent for home and market-growing. Pkt. 15 cts., oz. 35 cts., ¼ lb. \$1, lb. \$2.50.

Chicago or Warted Hubbard. A selection of the largest and best rough-skinned specimens. Strong, robust growth; fruits large, heavily warted, splendid shape and dark green; flesh rich and dry. Pkt. 15 cts., oz. 40 cts., ¼ lb. \$1.10, lb. \$2.75.

WINTER SQUASHES, continued

Golden Hubbard. The fruits are of the same shape as the Green Hubbard, but they average one-third less in size. Orange skin; flesh deep gold. Pkt. 10 cts., oz. 35 cts., ¼ lb. \$1, lb. \$2.50.

Hubbard. Bluish green, occasionally marked with brownish orange. Will keep from September to May. Pkt. 10 cts., oz. 35 cts., ¼ lb. \$1, lb. \$2.50.

Boston Marrow. A very popular Squash for fall or winter use. Oval in form; bright orange color; flesh yellow. A splendid keeper and excellent for pies. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$1.75.

Delicious. Noted for its fineness and compactness of grain, dryness, and sweet, rich flavor. Top-shaped fruits weigh from 5 to 10 pounds. Pkt. 10 cts., oz. 30 cts., ¼ lb. 90 cts., lb. \$2.25.

Mammoth Chili. A late, exceptionally large variety that is popular for exhibition purposes. Orange-yellow color. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$1.75.

Noodle Squash

Puncture one end and cook it for 35 minutes. Cut in half, the flesh falls out in shreds, suggestive of spaghetti. Served hot with sauce, salt, and butter, or as a cold dish with vinegar. Mottled green fruits, 10 inches long, turn yellowish white. Pkt. 15 cts., 2 pkts. 25 cts., oz. 50 cts.

Winter Squash furnishes some vitamin G, and is an excellent source of vitamin A; Summer Squash is almost as good.

TOMATOES

One ounce will produce about 1000 plants. Yield begins 9 to 13 weeks after setting out.

CULTURE. Seed may be sown sparingly in a hotbed, greenhouse, or in the home from the second week in February to the end of April. When the plants are about 2 inches high they should be transplanted about 4 inches apart, or thinned so that they do not overcrowd. Around May 15 the plants may be set out in the open ground, 3 feet each way. For an autumn crop, sow seed in May in the open.

Victor. A new early variety of high quality.

The vines are small, and may be planted closer than most others, making it excellent for the home-garden; the fruits are bright scarlet, with a smooth skin. They ripen evenly, and lack the cracks and wrinkles found in other sorts. Pkt. 20 cts., ½ oz. 60 cts., oz. \$1, ¼ lb. \$3.

Marglobe. A large Tomato of the globe type. It is a fine red color and of delicious table quality. Sets fruits medium early and continuously. It resists wilt and is immune to rust. Pkt. 10 cts., ½ oz. 40 cts., oz. 75 cts., ¼ lb. \$2.

Pritchard's Scarlet Topper. Recommended for yield, meatiness, fine flavor, and small seed-cavity. Early and continuous bearer. A large scarlet fruit, deeply globular in shape, it slices economically. Resistance to wilt and rust has been bred into it. Pkt. 15 cts., ½ oz. 45 cts., oz. 85 cts., ¼ lb. \$2.25.

Mingold. A mild-flavored, yellow type, shaped like Marglobe. Splendid for yellow Tomato juice, and for salads. It contains additional vitamin D. Pkt. 25 cts., ½ oz. 85 cts., oz. \$1.50.

Does Growing Vegetables Pay?

With average luck, a gardener could, if he tried, raise at least 150 plants from a packet of Tomato seed. In good soil, each plant would furnish 15 pounds of Tomatoes during the season—more than a ton from a packet!



Marglobe Tomato

Beefsteak or Crimson Cushion. Largest of the bright red Tomatoes. Flatish round in shape, and thick from stem to blossom end. Brilliant scarlet-crimson, the flesh is firm and of superb quality. Pkt. 15 cts., ½ oz. 45 cts., oz. 85 cts., ¼ lb. \$2.25.

Bonny Best. A leader among the early sorts. The fruits are bright red in color, of medium size, and are produced in large quantities. Pkt. 10 cts., ½ oz. 40 cts., oz. 75 cts., ¼ lb. \$2.

Chalk's Early Jewel. Uniformly large, bright red, deep, solid fruit. Bears all season, and for quantity and quality is without a rival among the extra-earlies. Pkt. 10 cts., ½ oz. 40 cts., oz. 75 cts., ¼ lb. \$2.

Earliana. Earliest red Tomato. Plants have short, close-jointed branches, and set freely. The fruits average 3 inches across and 2¼ ins. deep; solid; few seeds. Pkt. 10 cts., ½ oz. 45 cts., oz. 85 cts., ¼ lb. \$2.25.

Golden Queen. A yellow-fruited sort, excellent for slicing. Pkt. 10 cts., ½ oz. 40 cts., oz. 75 cts., ¼ lb. \$2.

John Baer. An early, bright red Tomato of wonderful quality. One of the heaviest-yielding sorts. The flesh is solid, possessing a fine flavor, free from acid. Pkt. 10 cts., ½ oz. 40 cts., oz. 75 cts., ¼ lb. \$2.

Oxheart. A distinct, attractive variety of recent introduction. Fruits very large, heart-shaped, pink, with very few seeds, meaty, and of mild flavor. Pkt. 15 cts., ½ oz. 45 cts., oz. 85 cts., ¼ lb. \$2.25.

Ponderosa. Enormous size is its chief characteristic. Slightly ribbed; solid and luscious. Fruits deep purple, oblong and with small seed-cells. They frequently weigh one pound each. Pkt. 20 cts., ½ oz. 60 cts., oz. \$1, ¼ lb. \$3.

Rutgers. Vigorous plant bearing large, globular, deep red fruits in quantity. Resistant to disease and especially valuable on hillside, light or poor land. Pkt. 15 cts., ½ oz. 45 cts., oz. 85 cts., ¼ lb. \$2.25.

Scarlet Dawn. New, deep globe, early bearing variety; very prolific. Fruits bright scarlet, solid, and of pleasing flavor. Resistant to disease. Pkt. 15 cts., ½ oz. 45 cts., oz. 85 cts., ¼ lb. \$2.25.

Stone. Reliable main-crop Tomato; favorite with truckers and canners. The plant is vigorous and the deep red fruits are produced freely; uniform, large, round, smooth, meaty, with little core. Non-acid. Notable for its heavy yield and high quality. Pkt. 10 cts., ½ oz. 40 cts., oz. 75 cts., ¼ lb. \$2.

A Dwarf Tomato

Champion. Potato-like foliage and a sturdy stocky plant. Fruits medium size and purple-pink. Pkt. 10 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Small-fruited Tomatoes

These are valuable for making pickles, preserves, pepper-hash, etc. Their small size, quaint shapes, and bright colors help to make salads that are attractive, and their pleasing, sweet flavor also makes them desirable.

San Marzano. An Italian scarlet variety, with thick, somewhat dry flesh, recommended for preserves, pastes and sauces. Plants are covered with cylinder-shaped fruits $2\frac{1}{2}$ inches long and $1\frac{1}{4}$ inches thick, with round ends. Pkt. 20 cts., $\frac{1}{2}$ oz. 65 cts., oz. \$1.10, $\frac{1}{4}$ lb. \$3.50.

King Humbert. The fruits are suggestive of a hen's egg in shape and size, and are bright scarlet in color.

Red Cherry
Red Currant
Peach

Yellow Pear
Red Plum
Yellow Plum

Red Pear

Above varieties, except where noted, each, pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.

Strawberry or Husk Tomato

The plants are of dwarf, spready growth and very productive of sweet-flavored, yellow fruits about the size of a cherry and inclosed in a husk. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.

Forcing Tomatoes

For cultivation under glass.

S. & W. Co.'s Best of All. Fruits of moderate size, smooth, round, and set in bunches. Color rich scarlet-red. Equally good for outdoor culture. Pkt. 20 cts., $\frac{1}{2}$ oz. 50 cts., oz. \$1.50.

Comet. Is very short-jointed, fruiting close up to the stem. The deep scarlet Tomatoes are of medium size. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

Sunrise. A fruit of fine quality, small to medium in size, perfectly round, and produced in long clusters. Splendid whole-salad variety. Does very well outdoors also. Pkt. 20 cts., $\frac{1}{4}$ oz. 40 cts., oz. \$1.25.

Turnips are an outstanding source of vitamins B₁ and C. But serve turnip-tops (leaves) as spinach, boiled lightly, and you have a food of exceptional value: outstanding in vitamins A, C and G, also calcium; a good source of B₁, phosphorus and iron.



Purple-Top White Globe Turnip

TURNIP

One ounce will plant about 150 feet of drill from which 150 pounds or more of Turnips will be dug.

CULTURE. For early Turnips, sow as soon as the ground opens in spring. Rutabagas should be sown from any time in June to first of August, but other kinds for winter use may be sown from the middle of July to the end of August.

Fine White-fleshed Types

Ready in from 7 to 9 weeks

Early White Milan. Quick to mature, the entire "bulb," inside and out, is clear white; the outer surface is perfectly smooth. Its table qualities are unequalled, being tender and of the most delicate flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Purple-Top White Globe. Spherical, skin white with upper one-third purple. Superior flavor. Will store over winter. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Snowball. Early, globe-shaped root; smooth, clean, and free from coarseness. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Purple-Top Milan. A flat Turnip with the upper portion tinted purple. Flesh is pure white, delicate, and sweet. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Long White or Cow-Horn. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Yellow-fleshed Turnips

Golden Ball or Orange Jelly. A medium-sized Turnip with golden yellow flesh of fine texture. One of the best table varieties. Small tap-root and matures early. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Yellow Aberdeen. A hardy variety of fine form and excellent quality. It has a purple top, keeps well, and is excellent both for the table and for stock. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Yellow Stone. In shape a perfect globe, uniform, and of medium size; the color is pale yellow, and the quality is of the best, being very melting and buttery. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

WATERMELONS

One ounce will plant about 50 hills, and each hill should yield 3 to 5 Watermelons. Ready in from 12 to 13 weeks after sowing.

CULTURE. Plant about 8 seeds in a hill, and have the hills 8 feet apart; thin to 3 plants to a hill.

Cole's Early. Succeeds in northern states. Flesh bright red, crisp, and delicate in texture, of sweet, refreshing flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Dixie Queen. High-quality, bright red flesh. Oval fruits, striped dark green on light green; thin but tough skin. Ships well. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Kleckley Sweets. The sweetest of all the Watermelons. Fruits large with very brittle, unusually thin, green rind and firm, tender, fine-flavored, scarlet flesh. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.25.

Tom Watson. A long melon with a tough rind. Flesh red, sweet, and tender. Prolific. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Citron. Used for preserves. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

RUTABAGA *Russian Turnip*

Long Island Improved. Uniform in shape, fine quality and a splendid keeper. Large, skin smooth, and flesh is yellow and fine-grained. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

An All-Leaf Turnip

Seven Top. In this variety there is little root-development. The leaves, however, are numerous and large, and are recommended to those who esteem "Turnip-tops." Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

VEGETABLE MARROW

One ounce plants 50 hills, and each hill should produce 4 to 6 Marrows. Ready in 8 weeks. Good source of vitamin A.

Occupies an important place in European gardens, and is considered superior by some to Squash. Cultivation is similar to that of Squash, although it is often grown in a few inches of soil placed on a manure-pile. The Marrows are gathered before they ripen. They are peeled, divided, and the seeds are removed; then cut into squares, boiled until tender, and served with cream sauce.

Long Green Trailing. The fruits are about 20 inches in length and 3 to 4 inches in diameter, with dark green skin, marbled with a paler shade. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Long White Trailing. The white skin is smooth and the flesh is remarkably tender. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Moore's Cream. An improved small-fruited variety. The fruits are oval, cream-colored, and of a very delicate flavor. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75.

Italian Vegetable Marrow (Cocozelle Squash). A non-trailing type producing oblong fruits a foot in length and about 5 inches in diameter, handsomely mottled dark and light green. A great favorite. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Mixed Vegetable Marrow. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

PRODUCE FOOD! You release like amounts for our fighting forces and our Allies. Not to forget the conquered countries, to whose feeding we are pledged as Axis domination is lifted. Plant a vegetable garden, tend it faithfully, and **HELP WIN THE WAR!**



Cole's Early Watermelon

Grandmother's favorites, these interesting, attractive and useful plants were in the gardens of colonial America. And prior to the time of Columbus, they provided the homemaker of medieval Europe with her salads, condiments, perfumes, and remedies.

ANISE. *Pimpinella Anisum*. Seeds flavor candy, cordials, and pastries; aid digestion. Leaves used for salads or garnishings. Annual; 16 inches. Seed only, pkt. 15 cts., oz. 30 cts.

BALM. *Melissa officinalis*. Lemon-scented foliage used for flavoring food, vinegars, confections, wines, and liquors, and is added to salads. Balm tea is an old remedy, recommended for fevers, asthma and headaches. 18 inches. Plants only, \$1 for 3.

BASIL, Sweet (Basilico). *Ocimum Basilicum*. Leaves used for flavoring. An infusion makes a skin lotion and is used internally. Snuff, from the leaves, is a headache remedy. Annual; 12 inches. Seed only, pkt. 20 cts., oz. \$1.

BASIL, Lettuce-leaved. *Ocimum bullatum*. Larger leaves than the above. Uses are the same. Annual. Seed only, pkts. 25 cts., oz. \$1.25.

BEE-BALM (Oswego Tea, Bergamot). *Monarda hybrida*. The plant is fragrant. Dried leaves and seeds are an ingredient in potpourri. Thymol is made from it. Seed, pkt. 25 cts. Plants, \$1 for 3.

BENE. *Sesamum orientale*. An old remedy for dysentery. Seeds impart a nut-like flavor to confections; yield oil of sesame or teel-oil. Annual. Seed, pkt. 10 cts., oz. 40 cts.

BETONY (Woundwort). *Stachys officinalis*. Old-time remedy. 3 feet. Plants only, \$1 for 3.

BORAGE, GURKENKRAUT. *Borago officinalis*. Flowers used in salads and candied for sweetmeats; also to flavor cordials. 2 feet. Seed, pkt. 20 cts., oz. \$1. Plants, \$1 for 3.

BURNET (Pimpinella). *Sansiveria minor*. Leaves used for salads; their flavor resembles cucumbers. An infusion makes a face lotion. Give a pleasing bouquet to wine. 20 inches. Seed, pkt. 25 cts. Plants, \$1 for 3.

CARAWAY. *Carum Carvi*. Well-known flavoring for cordials and sauces; also for bread- and cake-making. Annual; 18 inches. Seed only, pkt. 25 cts.

CATNIP. *Nepeta Cataria*. Shoots used for seasoning; tea was made from it before tea came out of China. Allegedly turns mild people ferocious. Interests the domestic cat. 3 feet. Seed, pkt. 25 cts. Plants, \$1 for 3.

CHAMOMILE. *Anthemis nobilis*. Tonic, febrifuge, sedative and hair-blanch; cures in large quantities. Smoked, it relieves asthma. A Chamomile poultice helps toothache. 1 foot. Plants only, \$1 for 3.

CHIVES. *Allium Schoenoprasum*. Mild onion flavor, used as a salad ingredient. 10 inches. Seed, pkt. 20 cts., oz. \$1. Plants, \$1 for 3.

CORIANDER. *Coriandrum sativum*. Seeds used in cooking, candy-making, and flavoring cordials. Annual; 2½ feet. Seed only, pkt. 15 cts., oz. 50 cts.

COSTMARY (Alceost). *Chrysanthemum Balsamicum*. For scenting linen. Beer was flavored with it, and a tea made from the dried leaves. 2½ feet. Plants only, \$1 for 3.

DILL. *Anethum graveolens*. Seeds are an ingredient in dill pickles, and used for flavoring preserves. Annual; 2½ feet. Seed only, pkt. 10 cts., oz. 35 cts., ½ lb. \$1.

SCENTED GERANIUMS

Charming plants which thrive in a well-drained soil and sunny situation. In late fall they can be cut back hard, potted up and carried over the winter in a sunny window, where they are ideal house plants. Their names reveal their individual merits.

Balm Geranium
Balsam Geranium
Filbert Geranium
Lemon Geranium
Nutmeg Geranium

Orange Geranium
Peppermint Geranium
Rose Geranium
Spice Geranium

Any of the above, 45 cts. each,
\$1.20 for 3, \$4.50 per doz.

DRIED HERBS. Herb Vinegars and Spices, together with food products that are unusual, are described on pages 93-97.



Old-Time Herbs

CULINARY AROMATIC MEDICINAL HERBS

For the Kitchen Garden and for the formal fragrant, old-time Herb Garden

FENNEL (Finocchio). *Foeniculum vulgare*. Looks like celery but with feathered leaves and a sweet flavor. Leaf-bases are swollen and flattened in the Florence type, which we offer. Served as a vegetable, raw or cooked, while the seeds are used for flavoring. Supposed to impart physical strength and cure obesity. Treat as an annual; 2 feet. Seed only, pkt. 15 cts., oz. 55 cts., ½ lb. \$1.75, lb. \$5.

FENUGREEK. *Trigonella Fenum-Graecum*. Odorous annual; seeds used in the East as a drug, dye, and food. Ingredient in curry powder. By stimulating thirst and aiding digestion, increases one's weight. 2 feet. Seed only, pkt. 15 cts.

HOREHOUND. *Marrubium vulgare*. For seasoning cough remedy made from leaves; a tea, valuable in chest ailments, also. 3 feet. Seed, pkt. 25 cts. Plants, \$1 for 3.

HYSSOP. *Hyssopus officinalis*. Decorative plant for edging and an everlasting. For flavoring and has medicinal properties. 1 foot. Plants, \$1 for 3.

LAVENDER. *Lavandula vera*. Dried flowers impart a fragrance to linen; from them lavender-water is distilled. We offer the perfumed "Munstead Strain." 2 ft. Seed, pkt. 25 cts. Plants, \$1 for 3.

LAVENDER-COTTON. *Santolina incana*. Aromatic plant, valuable for edging. Green foliage or gray foliage plants can be furnished. 1½ feet. Plants only, \$1 for 3.

LEMON VERBENA. *Aloysia citrodora*. Very fragrant plant with the odor of lemon. Not strictly hardy; needs protection over winter. Plants only, \$1 for 3.

LOVAGE. *Leisticum officinale*. Liebstock. Seeds used in confectionery; leaves are blanched and eaten like celery. 4 feet. Plants only, \$1 for 3.

MARJORAM, Pot. *Origanum vulgare*. Leaves used in salads; potpourri ingredient. Valuable edging plant. 20 inches. Plants only, \$1 for 3.

MARJORAM, Sweet or Knotted. *Origanum Majorana*. Leaves are employed for seasoning and are added to salads. A perfume oil is extracted from it. Potpourri ingredient. 2 feet. Seed, pkt. 25 cts. Plants, \$1 for 3.

MINTS (Perennials)

Require moist ground and shade. The "Mint Pool" was a feature of the monastery garden of medieval times.

ANISE MINT. *Mentha piperita anisatus*. The aroma of anise combined with mint. For salads and cold drinks. 2 feet. Plants only, \$1 for 3.

APPLE MINT. *M. rotundifolia*. For flavoring beverages, jellies, and confections. 2½ feet. Plants only, \$1 for 3.

CREeping MINT. *M. Requienii*. Miniature variety for planting in "crazy pavements." 8 inches. Plants only, \$1 for 3.

Our Nursery Department ALSO OFFERS—

PARSLEY PLANTS. Pot-grown, 20 cts. each, 50 cts. for 3.

WATER CRESS. *Radicula Nasturtium-aquaticum*. Makes delicious sandwiches. Plant below the edge of a pond or slow stream; grows quite well on land also, provided you give it a moist situation. Seed, pkt. 25 cts., ½ oz. 75 cts., ¼ oz. \$1.30. Plants, \$1 for 3.

Both Parsley and Water Cress furnish more iron than Spinach. They are excellent sources of vitamins A and C and good sources of vitamin B. Water Cress furnishes vitamin G.

Additional Plants

These have medicinal properties, or are of sentimental interest; they are described elsewhere in this Catalogue. Please consult the index.

Aconite (Monkshood)
Boneset.
Celery.
Dandelion.
Feverfew.
Pyrethrum.
Garlic.

Germander.
Heart's Ease.
Horse-Radish.
Marigold.
Monkshood.
Stramonium.
Datura.

All Herb plants, except Tarragon, are \$1 for 3, \$3.75 per doz.
Tarragon plants are 55 cts. each, \$1.50 for 3, \$5.50 per doz.

STUMPP & WALTER CO.

HERBS

CULINARY AROMATIC MEDICINAL

For the Kitchen Garden and for the formal fragrant, old-time Herb Garden

MINTS, continued

CURLY MINT. *Mentha crispata*. Sweet, pungent scent. Quaint, curly leaves. **Plants only, \$1 for 3.**

LEMON MINT (Bergamot Mint). *M. citrata*. Unusual "lemony" scent. May be used for flavoring. **Plants only, \$1 for 3.**

PEPPERMINT. *M. piperita*. True English. An essence is distilled and a medicinal tea is infused from Mint. For flavoring juleps. From it menthol is obtained. 3 feet. **Plants only, \$1 for 3.**

WOOLLY MINT. *M. tomentosa*. A strong grower, with large, gray, woolly aromatic leaves. **Plants only, \$1 for 3.**

SPEARMINT. *M. viridis*. The common garden Mint. For Mint sauce, julep, jelly, etc., and for flavoring vegetables in cooking. Leaves candied for sweetmeats. 2 feet. **Plants only, \$1 for 3.**

ENGLISH PENNYROYAL. *M. Pulegium*. Aromatic medicinal herb. Valuable in the kitchen for seasoning. 1 foot. **Plants only, \$1 for 3.**

ROSEMARY. *Rosmarinus officinalis*. For seasoning; dried leaves may be added to potpourri. They repel moths. 4 feet. **Plants, \$1 for 3.**

RUE. *Ruta graveolens*. The bitter leaves are employed for seasoning and beverage flavoring. An essential oil is used in toilet preparations. Poultry remedy for roup. In medieval prisons was used to keep down typhus. 2½ feet. **Seed, pkt. 25 cts. Plants, \$1 for 3.**

SAGE, Common. *Salvia officinalis*. Dried leaves are employed for stuffings and sauces. Chinese today prefer a tea infused from it to tea as we know it. Essential oil used in perfumery. 15 inches. **Seed, pkt. 25 cts., oz. \$2. Plants, \$1 for 3.**

SAVORY, Summer (Bohnenkraut). *Satureja hortensis*. Seasoning for all dishes. Imparts a meat-like flavor to vegetables. Annual; 18 inches. **Seed only, pkt. 15 cts.**

SAVORY, Winter. *S. montana*. Seasoning herb and for flavoring liqueurs. Relieves bee-stings. Valuable edging perennial; needs a mulch over winter. 1 foot. **Plants only, \$1 for 3.**

TANSY. *Tanacetum vulgare*. For seasoning and flavoring. Was claimed to preserve meat. 1 foot. **Seed, pkt. 25 cts. Plants, \$1 for 3.**

COLLECTIONS OF HERBS

Twelve Flavorful Culinary Herbs

Balm	Sweet Marjoram	Sage
Chives	Peppermint	Winter Savory
Lovage	Spearmint	Tarragon
Pot Marjoram	Rue	English Thyme

COLLECTION:

AH 12 plants, one each of the above . . \$3.75
AH3 36 plants, three each \$10.50

Culinary Herbs from Seeds

Collection DH. ONE PACKET, 1 each of the annual Herbs: Basil, Caraway, Coriander, Dill, Summer Savory. **75c.**

These Annuals are desirable to round off Collections AH or AH3, giving you 17 different Culinary Herbs in all.



Old-Time Herbs

In medieval times much thought was expended on the design of the herb garden, because here, amid their perfume, contentment could be found. In your herb garden today, you again can capture the atmosphere of lavender and old lace.

THYMES

CITRON or LEMON THYME. *Thymus citridorus*. Scented carpeting plant. A few leaves in tea will enhance the aroma. 10 inches. **Plants only, \$1 for 3.**

COMMON THYME (English Thyme). *T. vulgaris*. Broad leaves. For seasoning foods, including salads and wine. Excellent edging plant. 8 inches. **Seed, pkt. 25 cts., oz. \$1.50. Plants, \$1 for 3.**

FRENCH THYME. *T. vulgaris*. Dwarf, small-leaved, heath-like plant. Potpourri ingredient. Plant it to be walked on and release its fragrance. 8 inches. **Plants only, \$1 for 3.**

CRIMSON THYME. *T. Serpyllum coccineus*. Dense, fragrant mat-plant for edging. 10 inches. **Plants only, \$1 for 3.**

MOTHER OF THYME (Creeping Thyme). *T. Serpyllum*. Valuable evergreen edging; also used for seasoning. 10 inches. **Plants only, \$1 for 3.**

WOODRUFF (Waldmeister). *Asperula odorata*. Dried leaves have perfume of new-mown hay; put with household linen. Used in "May wine." Formerly applied to sword wounds. Edging plant for partial shade. 8 inches. **Plants only, \$1 for 3.**

WORMWOODS

BEACH WORMWOOD (Old Woman, Dusty Miller). *Artemisia Stelleriana*. Gray edging plant. 2 feet. **Plants only, \$1 for 3.**

COMMON WORMWOOD (Wermuth). *A. Absinthium*. Wormwood tea is a vermifuge. Used to flavor absinthe. 18 inches. **Seed, pkt. 25 cts. Plants only, \$1 for 3.**

FRINGED WORMWOOD. *A. frigida*. For flavoring; used in perfumery. 1½ feet. **Plants only, \$1 for 3.**

MUGWORT. *A. lactiflora*. Fragrant perennial. The bitter leaves may be used for seasoning. Once a household remedy. 4 feet. **Plants only, \$1 for 3.**

OLD MAN (Southernwood; Lad's Love). *A. Abrotanum*. Shrubby plant with divided, highly aromatic leaves. Keeps moths from clothing; sprinkled on the stove, will dispel kitchen odors. 3 to 4 feet. **Plants only, \$1 for 3.**

TARRAGON (Estragon). *A. Dracunculus*. For salads and flavoring vinegar. Essential oil used in perfumery. Cannot be reproduced from seed. **Plants only, 55 cts. each, \$1.50 for 3.**

COMMON YARROW. *Achillea Millefolium*. Fragrant foliage. Old favorite. 2½ feet. **Seed, pkt. 15 cts., oz. 35 cts. ¼ lb. \$1. Plants, \$1 for 3.**

WOOLLY YARROW. *A. tomentosa*. Carpet-like, gray, aromatic plant. Charming edging perennial. 1 foot. **Plants only, \$1 for 3.**

COLLECTIONS OF HERBS

Twelve Sweetly Fragrant Herbs

Bee-Balm	Anise Mint	Rosemary
Chamomile	Apple Mint	French Thyme
Costmary	Old Man	Lemon Verbena
Lavender	Pennyroyal	Woodruff

COLLECTION:

BH 12 plants, one each of the above . . \$3.75
BH3 36 plants, three each \$10.50

Twelve Ornamental Herbs

For edging in the formal garden or planting in beds or borders

Bee-Balm	Woolly Mint
Betony	Mugwort
Germander (See p. 83)	Rosemary
Hyssop	Tansy
Lavender Cotton, gray	Beach Wormwood
Lavender Cotton, green	Common Wormwood

COLLECTION:

CH 12 plants, one each of the above . . \$3.75
CH3 36 plants, three each \$10.50

Farm Seeds of High Quality

IMPROVED FIELD CORN

Sow 1 peck per acre for ears, $\frac{1}{2}$ bushel for silage, up to 1 bushel for fodder. Rows wide enough apart to allow tractor cultivation.

Flint Corns and early Dents are quick plants of moderate size and are grown for ears. Slower Dent sorts are larger and are for both ears and leaves. Fodder varieties are still larger and are grown for their leaves.

HYBRID CORNS

These will give you higher yields, deeper roots that will resist storms and droughts, and have less disease.

S. & W. Co.'s Hybrid Yellow Dent. (105 days.) Heavy-yielding variety. Produces very long, large, sound ears, deep grains; strong, stocky, medium-tall stalk. Excellent for ensilage as well as grain. Qt. 60 cts., postpaid 75 cts.; pk. \$3.50, bus. \$10, 10 bus. \$90.

Cornell No. 29-3 Hybrid Dent. (110 days.) Adapted to our eastern conditions. Yellow kernels with a slight red tinge. It is a double-crossed hybrid. Splendid for ensilage in areas with short seasons and grain for other areas. Qt. 60 cts., postpaid 75 cts.; pk. \$3.50, bus. \$10, 10 bus. \$90.

Southern Hybrid Sweepstakes. (Fodder.) A cross between inbred strains of the heaviest yielding and largest stalked late southern ensilage variety, and the heaviest yielding early northern fodder Corn. Makes a large stalk and heavy tonnage, and will often mature grain in the North. Qt. 50 cts., postpaid 65 cts.; pk. \$3, bus. \$9, 10 bus. \$80.

Golden Eureka (Dent). Under favorable conditions may yield 150 bushels of ears or 25 tons of silage per acre. Grows 12 feet high; ears average 12 to 15 inches long, 18 or 20 rows, yellow grains, and small cob. 100 days. Qt. 25 cts., postpaid 40 cts.; pk. \$1.35, bus. \$4, 10 bus. \$38.

Cornell No. 11 (Dent). A 110- to 115-day yellow Corn for silage as well as grain. Ears 9 to 10 inches, 14- to 18-rowed, with small red cobs. Grows 8 to 9 feet tall. Qt. 25 cts., postpaid 40 cts.; pk. \$1.35, bus. \$4, 10 bus. \$38.

Longfellow (Flint). Ears 12 inches long; cobs small; kernels of good size. Safe for the production of ears as far north as Massachusetts. Qt. 25 cts., postpaid 40 cts.; pk. \$1.35, bus. \$4, 10 bus. \$38.

Jumbo Silage. (Fodder.) Large plant, 12 to 15 feet high. Recommended for low, rich lands. Qt. 30 cts., postpaid 45 cts.; pk. \$1.50, bus. \$4.50, 10 bus. \$42.50.

Improved Horsetooth. (Fodder.) Pk. \$1.15, bus. \$3.50, 10 bus. \$32.50.

Evergreen. (Fodder.) A sweet Corn valuable as silage or green fodder. Qt. 35 cts., postpaid 50 cts.; pk. \$2, bus. \$6, 10 bus. \$55.



Mangel-Wurzel

POP-CORN

Slow curing under cover in thin layers and with maximum ventilation ensures good popping quality. Sow 5 pounds per acre in hills.

Sunburst. Fine large yellow kernels that have a buttery tint when popped. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.25, 100 lbs. \$16.

White Hulless. Small, white kernels. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.25, 100 lbs. \$17.50.

POP-CORN FOR POPPING, Sunburst. Lb. 20 cts., postpaid 30 cts.; 5 lbs. 85 cts., postpaid \$1; 100 lbs. \$12.

White Hulless. Lb. 20 cts., postpaid 30 cts.; 5 lbs. 90 cts., postpaid, \$1.05; 100 lbs. \$13.

SEMESAN JR. IMPROVED. Corn-disinfectant. Protects seed against rotting, increases germination, controls blight. 4 ozs. 30 cts., lb. 75 cts., 5 lbs. \$3, 25 lbs. \$12.50. (Circular on request.)

ROOTS FOR STOCK

We recommend Mangels, Carrots and Rutabagas to the cattle breeder, dairy farmer and poultry raiser. A palatable, easily stored, easily digested, and nutritious food is yielded in large quantities per acre. They stimulate the flow of milk of high grade; their cultivation ensures the thorough cleaning of the land; and they may be stored into the winter in root-cellars or outdoor "pits" with but little trouble.

MANGEL AND SUGAR BEET

Sow in drills 30 inches apart; thin to 12 inches. 6 to 8 lbs. per acre in the spring.

Mammoth Long Red. A giant among Mangels, and the variety most frequently grown. The roots are enormous, very uniform in shape, smooth and clean, with but small top growth. The skin is bright, rich red, and under favorable growing conditions the roots may reach a length of 3 feet. $\frac{1}{4}$ lb. 85 cts., lb. \$2.25, 10 lbs. \$21.

Half-Sugar Rose. Long root with pink skin and white flesh. $\frac{1}{4}$ lb. 85 cts., lb. \$2.25, 10 lbs. \$21.

Golden Tankard. $\frac{1}{4}$ lb. 85 cts., lb. \$2.25, 10 lbs. \$21.

Klein Wanzleben Sugar Beet. Root contains a high percentage of sugar. Oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.25, 10 lbs. \$21.

RUTABAGA OR SWEDE

Sow 4 pounds per acre in June, in drills 30 inches apart.

American Purple-Top. Reddish purple top; nutritious yellow flesh; spherical shape. $\frac{1}{4}$ lb. 90 cts., lb. \$2.50, 10 lbs. \$24.

Long Island Improved. Oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75, 10 lbs. \$26.

FIELD CARROT

Especially valuable for horses. Sow 4 pounds per acre from May 15 to July 1.

Mammoth White Belgian. Root 16 inches long. Skin white; flesh white. $\frac{1}{4}$ lb. \$1.25, lb. \$3.50, 10 lbs. \$34.

Danvers Cattle. $\frac{1}{4}$ lb. \$1.45, lb. \$5, 10 lbs. \$48.50.

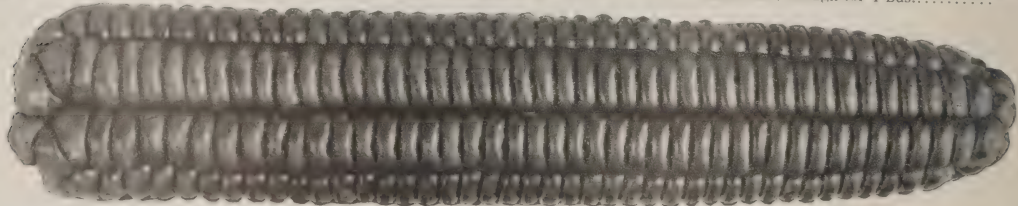
Long Orange Cattle. $\frac{1}{4}$ lb. \$1.45, lb. \$5, 10 lbs. \$48.50.



SEED PRESERVER FOR CORN

insures your seeds. It prevents crows and other birds taking the seed; it protects against ground-rot and smut. It is non-poisonous and does not retard germination.

Large can, enough for 2 bus. seed corn. \$1 00
Small can, enough for 1 bus. 60



Longfellow Flint Corn

PLOW-UNDER CROPS

improve your soil. In early spring, sow Canada Peas; late spring, Soy Beans; summer, Buckwheat; late summer, Rye and Vetch



Field of Storm King Oats

VETCHES OR TARES

Excellent for milk-production and fattening live-stock, either green or as silage or hay. Recommended as plow-under crops for soil-improvement. Usually grown with oats, wheat, or rye to keep them off the ground.

Spring Vetch (*Vicia sativa*). Sow in spring, using 150 lbs. per acre, broadcast, or 100 lbs. in drills; or $\frac{1}{2}$ bus. of a cereal and 75 lbs. of Vetch. Lb. 25 cts., postpaid 35 cts.; 10 lbs. \$2, 100 lbs. \$15.

Winter or Hairy Vetch (*Vicia villosa*). For spring and autumn seeding, using 125 lbs. per acre, broadcast, or 100 lbs. in drills; or $\frac{1}{2}$ bus. of a cereal and 75 lbs. of Winter Vetch. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.50, 100 lbs. \$20.

CANADA FIELD PEAS. Three bushels per acre or $\frac{1}{2}$ bus. Peas and $\frac{1}{2}$ bus. Oats. Qt. 40 cts., postpaid 55 cts.; pk. \$2.25, bus. \$6.50, 10 bus. \$62.50.

COWPEAS

For improving soils by plowing under; also valuable as hay. Sow 2 bus. per acre.

New Era. Peas dull lead-colored. Early. Whippoorwill. Brown-speckled seed.

Above sorts, qt. 30 cts., postpaid 45 cts.; pk. \$1.75, bus. \$5, 10 bus. \$48

SOY BEANS

Used for improving soils by plowing under; as a fodder crop they yield fifteen or more tons per acre. Sow 4 to 8 pecks to the acre.

Mammoth Yellow. For hay or plowing under.

Wilson. A black-seeded sort. Early.

Above sorts, qt. 30 cts., postpaid 45 cts.; pk. \$1.50, bus. \$4.50, 10 bus. \$42.50.

Cayuga. Suitable for production of beans in the North. Qt. 35 cts., postpaid 50 cts.; pk. \$1.85, bus. \$5.50, 10 bus. \$52.50.

SUNDRY FARM SEEDS

AMBER SUGAR-CANE. Sow 50 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.50, 100 lbs. \$10.

SUDAN GRASS. Sow 30 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.50, 100 lbs. \$10.

BROOM CORN. Sow 20 pounds per acre. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.50, 100 lbs. \$20.

KAFFIR CORN. For semi-arid regions. Sow 15 pounds per acre in rows; 50 pounds broadcast. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.35, 100 lbs. \$9.

MILO MAIZE. Used for soiling and fodder. Sow 15 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.50, 100 lbs. \$10.

FLAX or LINSEED. Use 75 pounds per acre. Lb. 25 cts., postpaid 35 cts.; 10 lbs. \$1.75, 100 lbs. \$12.50.

MILLETS. Catch-crops to replace corn, wheat, or other crops which may have failed. They are fed green, or as silage or hay.

Golden. Sow 50 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.30, 100 lbs. \$8.

Hungarian. Sow 50 pounds per acre. Lb. 25 cts., postpaid 35 cts.; 10 lbs. \$1.75, 100 lbs. \$11.

Barnyard. Sow 25 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.50, 100 lbs. \$10.

DWARF ESSEX RAPE. For sheep, hogs, and cattle. Sow in July or August, using 12 pounds per acre broadcast or 5 pounds per acre in drills. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.50, 100 lbs. \$20.

SEED OATS

Superior varieties often weigh up to 40 pounds per measured bushel, but are sold at the standard weight of 32 pounds per bushel. For production of grain, use $2\frac{1}{2}$ bushels per acre; for forage, 3 bushels. Sown with Canada Peas, $1\frac{1}{2}$ bushels each of Oats and Peas per acre.

Storm King. Fine, hardy tartar side-oat. Heavy yielding. Stout straw. Pk. \$1, bus. (32 lbs.) \$3, 10 bus. \$29, 100 bus. \$275.

Lenroc. Highly recommended. Plump, nearly white berry. Good yielding. Qt. 20 cts., postpaid 30 cts.; pk. \$1, bus. (32 lbs.) \$3, 10 bus. \$29, 100 bus. \$275.

Welcome. Heavy, handsome, and productive. Swedish type. Pk. 90 cts., bus. (32 lbs.) \$2.75, 10 bus. \$26.50, 100 bus. \$250.

Cornellian. Gray kernels, high-yielding and meaty. Pk. \$1, bus. (32 lbs.) \$3, 10 bus. \$29, 100 bus. \$275.

ALPHA BARLEY. High-yielding and satisfactory. The kernels are large, plump, and heavy. Splendid for the dairy farmer who uses one bushel each of Barley, Oats, and Field Peas per acre. When used alone, sow $1\frac{1}{2}$ to 2 bushels per acre. Qt. 25 cts., postpaid 40 cts.; pk. \$1.25, bus. \$3.50, 10 bus. \$32.50.

SPRING RYE. Valuable with Vetch as a plow-under crop for soil-improvement, using $\frac{1}{2}$ bus. with 75 lbs. of Vetch per acre. When grown alone, sow $1\frac{1}{2}$ bus. of Rye per acre. Qt. 30 cts., postpaid 45 cts.; pk. \$1.50, bus. \$4.50, 10 bus. \$42.50.

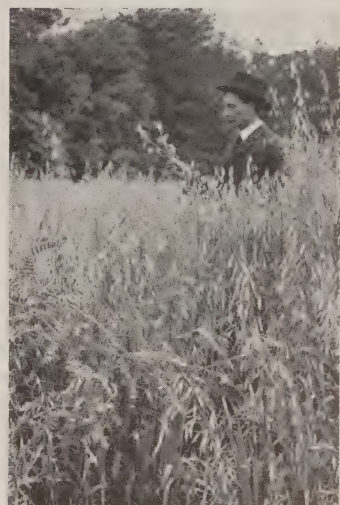
MARQUIS WHEAT. A heavy-cropping, hard, beardless variety. Sow in spring, $1\frac{1}{2}$ to 2 bus. per acre. Qt. 30 cts., postpaid 45 cts.; pk. \$1.50, bus. \$4.50, 10 bus. \$42.50.

WHEAT FOR COOKING. Lb. 15 cts., postpaid 25 cts.; 10 lbs. \$1, 100 lbs. \$8.

For all Legumes use **LEGUME-AID**. Nitrogen-fixing bacteria in jelly form. Large seed units (vetches, peas, beans, etc.), bus. 35 cts., 2 bus. 65 cts., 5 bus. \$1.25. Clover units, $\frac{1}{2}$ bus. 30 cts., bus. 50 cts., $2\frac{1}{2}$ bus. \$1. Garden unit, 35 cts. Please state crop for which Culture is desired.

MAMMOTH BUCKWHEAT. More prolific than other sorts, and the grains are nearly twice as large. Sow about the middle of June, broadcast, $1\frac{1}{2}$ bushels per acre. Qt. 20 cts., postpaid 35 cts.; pk. \$1, bus. \$3, 10 bus. \$27.50.

SUNFLOWER, Mammoth Russian. For poultry feed. Four pounds of seed will sow an acre. Lb. 25 cts., postpaid 35 cts.; 10 lbs. \$2, 100 lbs. \$15.



Vetch and Oats Sown Together

Grass for Hay or Permanent Pasture



The Sawco Grass and Clover Formulas

We have furnished these for over forty years, and they have long shown their suitability to conditions in the greater Metropolitan district, where they have proved highly satisfactory to our many customers. They are compounded from a wide range of varieties.

Sawco Formula No. 1. Grasses only of high quality for pasture and hay, consisting of nine permanent varieties, correctly proportioned. No Clover. Sow 45 pounds per acre. Lb. 45 cts., 10 lbs. \$4, 100 lbs. \$30.

Sawco Formula No. 2. Grasses and Clovers of high quality for pasture and hay. This mixture consists of twelve ingredients, giving good pasturage and heavy cuts of highly nutritious hay. Sow 40 pounds per acre. Lb. 50 cts., 10 lbs. \$4, 100 lbs. \$35.

Sawco Formula No. 3. Clovers only of high quality for rich pasturage. No grasses. Sow 15 pounds per acre. Lb. 60 cts., 10 lbs. \$5.25, 100 lbs. \$45.

Sawco Low-Cost Formula No. 4. For hay and pasture; consists of Timothy, Red-top and Clover only. Sow 30 pounds per acre. Lb. 40 cts., 10 lbs. \$3.50, 100 lbs. \$25.

When ordering any of these formulas, kindly state whether your soil is (a) loamy, (b) bottom-land, (c) shaded orchard or (d) poor, including hillside.

We deliver Grass Seeds to any point in the United States; on Clovers purchaser pays transportation beyond 50 miles

Cornell Pasture and Hay Mixtures

The following three mixtures of grass and clover seeds are compounded strictly in accordance with the most recent specifications of the Department of Agronomy, Cornell University. However, we use higher quality ingredients than specified.

Cornell Pasture Mixture No. 1. For good land, adequately fertilized. A companion grain crop is not advised. Sow 25 pounds per acre. Lb. 50 cts., 10 lbs. \$4.50, 100 lbs. \$37.50.

Cornell General-Purpose Mixture No. 2. For hay and pasture or pasture alone. For soil of fair quality, but will thrive under drier conditions than No. 1. May be used with a grain crop. Sow 20 pounds per acre. Lb. 50 cts., 10 lbs. \$4.50, 100 lbs. \$37.50.

Cornell Utility Mixture No. 3. For poorer soil than either Nos. 1 or 2. Minimum seeding per acre, 18 pounds. Lb. 50 cts., 10 lbs. \$4, 100 lbs. \$35.

Quantities are those recommended by Cornell University.

Where maximum speed is needed, and on weed-seed-infested land, these amounts may well be increased by 50 per cent.

Special Note. This is a suggestion of the Stumpp & Walter Co. and is not necessarily endorsed by Cornell.

New Grass Sub-Varieties

We offer the following improved modern strains:

Creeping Red Fescue, Old's Strain. Definitely creeping and especially valuable for lawns. The turf is superior to that of the standard Red Fescue. Lb. \$1.15, 10 lbs. \$10.50, 100 lbs. \$95.

Orchard Grass, Akaroa Strain. A New Zealand sub-variety. Produces heavier crops and stools less than the type. Recommended for the metropolitan area and south, but not a great distance north, because it is unlikely to stand exceptionally severe winters. Lb. \$1, 10 lbs. \$9, 100 lbs. \$80.

Ryegrass, Svalof. The true Swedish Victoria strain. A heavy-cropping, perennial, leafy sort, and exceptionally winter-hardy. Lb. 55 cts., 10 lbs. \$5, 100 lbs. \$40.

Timothy, Aberystwyth S 50. Good pasture variety and dwarf enough even for lawns. Creeping, the dense sod persists under close grazing. Height, when mature, 18 inches. Lb. \$1.75, 10 lbs. \$16.50, 100 lbs. \$150.

CLOVERS Seed of Maximum Purity and Highest Germination

In addition to their value as pasture and hay crops, they transform the nitrogen of the air into nitrates; thus they improve the soil. Prices are subject to change.

Medium Red. Summer crop is usually cut when in blossom for hay; second crop in late summer. Sown spring or fall, and if alone, at the rate of 20 pounds per acre. American Seed. Lb. 60 cts., 10 lbs. \$5.25, 100 lbs. \$45.

Manmoth Red. A larger type than the preceding. Sow, if alone, 15 pounds per acre. American Seed. Lb. 65 cts., 10 lbs. \$5.50, 100 lbs. \$47.50.

Alaike (Swedish Clover). Hardy and will do better on unfavorable land than other varieties. Usually sown in mixtures; if used alone, allow 10 pounds per acre. Lb. 65 cts., 10 lbs. \$5.50, 100 lbs. \$47.50.

White Clover. (Supply is limited due to war.) Used in mixtures for pastures or lawns. Lb. \$1.25, 10 lbs. \$11.50, 100 lbs. \$100.

Wild White Clover. More permanent and more spreading than plants originating from commercial seeds. Thrives on soils that are too poor to support other Clovers. Inclusion of 1 pound per acre in a seed mixture is recommended to increase the yield of hay or pasturage. $\frac{1}{4}$ lb. \$1, lb. \$3, 10 lbs. \$27.50.

Ladino Clover. A giant white Clover, excellent for permanent pastures. Good either for shallow or heavy soils, but especially profitable on moist ones. Produces heavily over entire pasture season. Lb. \$1.85, 10 lbs. \$17.50, 100 lbs. \$150.

Alfalfa or Lucerne. Resists drought because of its deep roots. Use 25 pounds per acre drilled, or 35 pounds broadcast. Northern-grown, cold-resistant American Seed. Lb. 85 cts., 10 lbs. \$7.50, 100 lbs. \$65.

Grimm Alfalfa. Hardier, bigger, and more tolerant of unfavorable soils than the type. Use 20 pounds per acre drilled, or 25 pounds broadcast. Lb. 95 cts., 10 lbs. \$8.50, 100 lbs. \$75.

Crimson Clover. For early spring pasture or for hay. Use 20 pounds per acre from June to October. Lb. 35 cts., postpaid, 45 cts.; 10 lbs. \$3, 100 lbs. \$22.50.

Sweet Clover. Fair fodder when young, and excellent to turn under. Bee-plant. 6 ft. Sow 15 pounds per acre. Lb. 40 cts., postpaid 50 cts.; 10 lbs. \$3.50, 100 lbs. \$25.

Yellow Sweet Clover. A yellow-flowered counterpart of the above. Lb. 40 cts., postpaid 50 cts.; 10 lbs. \$3.50, 100 lbs. \$25.

Hubam. Annual white Sweet Clover. Will produce a bumper crop and attain maturity the first season. Lb. 50 cts., 10 lbs. \$4, 100 lbs. \$35.

Birdsfoot Trefoil (*Lotus corniculatus*). A drought-resistant perennial legume of dwarf stature. As a bottom plant is highly valuable in pastures and even for rough lawns, on slopes. Lb. \$2, 10 lbs. \$18.50.

Yellow Trefoil (*Medicago lupulina*). A yellow-flowered Clover, otherwise somewhat similar to alfalfa. Lb. 45 cts., 10 lbs. \$4, 100 lbs. \$30.

Lespedeza. For pasture, hay and lawns on poor land in warmer sections.

Korean. Lb. 35 cts., postpaid 45 cts., 10 lbs. \$3, 100 lbs. \$20.

Kobe. Lb. 40 cts., 10 lbs. \$3.25, 100 lbs. \$22.50.

Sericea. (Perennial.) Lb. 60 cts., 10 lbs. \$5.25, 100 lbs. \$45.

Use LEGUME-AID. Nitrogen-fixing bacteria in jelly form. Large seed units (vetches, peas, beans, etc.), bus. 35 cts., 2 bus. 65 cts., 5 bus. \$1.25. Clover units, $\frac{1}{2}$ bus. 30 cts., bus. 50 cts., 2 $\frac{1}{2}$ bus. \$1. Garden unit, 25 cts. Please state crop for which Culture is desired.

Individual Grass Varieties

Of Known Quality—Maximum Purity
and Highest Germination

Agrostis Varieties or Bents

One pound contains about 4,000,000 live seeds

TRIPLE A BENT. The best type of *Agrostis tenuis*; produces a stoloniferous, deep-rooted sod. Under constant mowing, it develops a turf akin to fine, silk-like, bright green Velvet Bent. Triple A turf becomes green early in spring and retains its color late in autumn. Lb. \$1.50, 10 lbs. \$14, 100 lbs. \$125.

SEASIDE BENT or CREEPING BENT (*Agrostis palustris*). Coos County Strain. The plant is dwarf and it multiplies rapidly by sending out runners in all directions; from these new plants are produced, and these, in turn, grow more runners. The turf becomes matted, and if damaged, it heals over promptly. Lb. \$1.25, 10 lbs. \$11.50, 100 lbs. \$100.

RHODE ISLAND BENT or COLONIAL BENT (*Agrostis tenuis*). Native seed. Produces a turf of good color, fine texture, and resistant to drought. Lb. \$1.35, 10 lbs. \$12.50, 100 lbs. \$110.

COLONIAL BENT (*Agrostis tenuis*). Identical with native Rhode Island Bent. Makes excellent turf, and is permanent under close cutting. Our seed contains less than one-tenth of 1 per cent of weeds. Lb. \$1.75, 10 lbs. \$16.50, 100 lbs. \$150.

ASTORIA BENT (*Agrostis tenuis* var.). Produces a fine matted turf. Develops strong underground runners, making it a valuable soil-binder. Lb. \$1.30, 10 lbs. \$12, 100 lbs. \$105.

SOUTH GERMAN BENT or FLORIN. For many decades, good lawns and putting-greens have been sown with this seed, producing turf of fine texture. (Unable to offer—due to war.)

VELVET BENT (*Agrostis canina*). Dwarfest of the turf grasses, producing a sward of exquisite, silk-like texture. Only limited quantities of pure seed are procurable. Lb. \$7, 10 lbs. \$65.

REDTOP (*Agrostis alba*). A good pasture and hay grass and valuable as a nurse grass in lawns. Lb. 10 lbs. 100 lbs.

Fine Recleaned Seed. High germination. ..\$0 40 \$3 50 \$25 00
Superfine Sample. For specialists' use. 45 4 00 30 00
Unhulled (Commercial grade) 35 3 00 20 00

Poa Varieties

One pound contains about 2,000,000 live seeds

BIRDGRASS or SHADE BLUEGRASS (*Poa trivialis*). One of the few grasses that will grow in shaded situations. Resistant to drought. (Unable to offer—due to war.)

KENTUCKY BLUEGRASS (*Poa pratensis*). Used for all lawn purposes in the northern states. Lb. 10 lbs. 100 lbs.

Fine Recleaned Seed. High germination. ..\$0 55 \$5 00 \$40 00
Superfine Sample. For specialists' use. 65 5 75 47 50

CANADA BLUEGRASS (*Poa compressa*). Similar to Kentucky Bluegrass but of a less pleasing color. Lb. 65 cts., 10 lbs. \$6, 100 lbs. \$50.

ANNUAL BLUEGRASS (*Poa annua*). Dwarf plant that spreads rapidly by depositing its own seed, however closely it is mown. Produces its best turf early and late. Lb. \$1.25, 10 lbs. \$11.50.



Experimental Turf Plots at the Stump & Walter Co.'s testing grounds at Farmingdale, Long Island. Here research work has been carried on for many years.

Fescue Varieties

One pound contains from 500,000 to 1,000,000 live seeds

CHEWING'S FESCUE (*Festuca rubra commutata*). Produces a mat-like turf of a pleasing green color. The leaves are fine, needle-like, and bristly. Resistant to heat, drought, and hard wear. Imported seed. Lb. 95 cts., 10 lbs. \$8.50, 100 lbs. \$75.

CHEWING'S FESCUE, STRAIN 53-27. Quicker germinating than the type; more resistant to chinch-bug and deeper rooting. Lb. \$1.05, 10 lbs. \$9.50, 100 lbs. \$85.

CHEWING'S FESCUE, U. S. grown seed. High purity and germination. Lb. \$1, 10 lbs. \$9, 100 lbs. \$80.

CREEPING RED FESCUE (*Festuca rubra genuina*). True strain. For fine turf. Lb. \$1.15, 10 lbs. \$10.50, 100 lbs. \$95.

CREEPING RED FESCUE, OLD'S STRAIN. See page 22. Lb. \$1.15, 10 lbs. \$10.50, 100 lbs. \$95.

MEADOW FESCUE (*Festuca elatior*). A flat, broad-leaved grass. Tall and grows quickly. Lb. 55 cts., 10 lbs. \$5, 100 lbs. \$40.

Rye Grasses

One pound contains about 300,000 live seeds

PERENNIAL RYEGRASS (*Lolium perenne*). A quick-growing, tall grass, sometimes included in lawn mixtures for speed. Valuable hay and pasture variety. Lb. 45 cts., 10 lbs. \$4, 100 lbs. \$30.

PACEY'S PERENNIAL RYEGRASS (*Lolium perenne Pacey*). A smaller-seeded, slightly dwarfier type of English Ryegrass. Lb. 45 cts., 10 lbs. \$4, 100 lbs. \$32.50.

SVALOF RYEGRASS (*Lolium perenne*). See page 22. Lb. 55 cts., 10 lbs. \$5, 100 lbs. \$40.

ITALIAN RYEGRASS (*Lolium multiflorum*). A coarse, tall grass; mammoth producer of hay. Lb. 40 cts., 10 lbs. \$3.50, 100 lbs. \$25.

DOMESTIC RYEGRASS. Much used as a temporary winter turf in the South. Lb. 35 cts., postpaid 45 cts., 10 lbs. \$2.75, 100 lbs. \$17.50.

Sundry Varieties

SMOOTH BROMEGRASS (*Bromus inermis*). Height 30 inches, with creeping roots. Useful for binding embankments. A pasture grass for dry soils. Lb. 55 cts., 10 lbs. \$5, 100 lbs. \$40.

CRESTED DOGSTAIL (*Cynosurus cristatus*). Lb. 65 cts., 10 lbs. \$6, 100 lbs. \$50.

CRESTED WHEATGRASS (*Agropyron cristatum*). A hardy, drought-resistant variety, native to the dry plains of Siberia. A coarse type, growing profusely in cool weather. Lb. 55 cts., 10 lbs. \$5, 100 lbs. \$40.

DALLAS GRASS (*Paspalum dilatatum*). A perennial hay or pasture grass for south and tropics. Lb. 85 cts., 10 lbs. \$7.50, 100 lbs. \$65.

ORCHARD GRASS (*Dactylis glomerata*). A coarse, bluish green plant, widely used for hay and pasture. Lb. 65 cts., 10 lbs. \$6, 100 lbs. \$50.

AKAROA STRAIN ORCHARD GRASS. See page 22. Lb. \$1, 10 lbs. \$9, 100 lbs. \$80.

REED CANARY GRASS (*Phalaris arundinacea*). For land which is continuously wet. Sow 10 lbs. per acre. Lb. 70 cts., 10 lbs. \$6.50, 100 lbs. \$55.

RHODES GRASS (*Chloris gayana*). A perennial forage grass for the South and tropics. Lb. 85 cts., 10 lbs. \$7.50, 100 lbs. \$65.

TALL OATGRASS (*Arrhenatherum elatius*). Lb. 50 cts., 10 lbs. \$4.50, 100 lbs. \$35.

TIMOTHY (*Phleum pratense*). A quick-growing, tall grass, for hay and pasture. Lb. 30 cts., postpaid 40 cts., 10 lbs. \$2.50, 100 lbs. \$15.

TIMOTHY, Aberystwyth, S50 Type. See page 22. Lb. \$1.75, 10 lbs. \$16.50, 100 lbs. \$150.

WHITE CLOVER (*Trifolium repens*). Used for lawns and pasture. Oz. 20 cts., 1/4 lb. 40 cts., lb. \$1.25, 10 lbs. \$11.50, 100 lbs. \$100.

WILD WHITE CLOVER. Collected in old pasture areas in Kent, England. The plant is smaller and dwarfier, with fewer blossoms. (Imported seed.) Oz. 35 cts., 1/4 lb. \$1, lb. \$3, 10 lbs. \$27.50.

YARROW (*Achillea millefolium*). Drought-resisting plant with delicate, fern-like leaves. When added to seed mixtures for exceptionally dry situations it often makes excellent lawns. Oz. 35 cts., 1/4 lb. \$1, lb. \$3, 10 lbs. \$27.50.

Bermuda Grass Seed. A superior strain for southern lawns and pastures. Lb. 95 cts., 10 lbs. \$8.50, 100 lbs. \$75.

Hulled Bermuda Grass Seed. Lb. \$1.15, 10 lbs. \$10.50, 100 lbs. \$95.

Bulbous Blue Grass (*Poa bulbosa*). A winter turf grass for the southern states. Lb. \$1, 10 lbs. \$9, 100 lbs. \$80.

Carpet Grass Seed. Recommended for southern lawns or pastures in moist soil. Lb. 60 cts., 10 lbs. \$5.25, 100 lbs. \$45.

Lespedeza Clover, Korean. See page 22. Lb. 35 cts., postpaid 45 cts., 10 lbs. \$3, 100 lbs. \$20.

Yarrow alone is occasionally used as a turf-making plant on poor gravelly soils—at one pound per 1000 square feet.



A large Staigreen
Lawn

Pamphlet "How
to Build a Permanent
Lawn" free in every
package

Staigreen LAWN SEED

BEST ON EARTH

SINCE 1912

HIGH PURITY

HIGH GERMINATION

TIME-TESTED FORMULA

Maximum Freedom from Weeds—Contains No Crabgrass

DON'T EXPERIMENT—WE'VE DONE THAT FOR YOU

Staigreen is a modern Lawn Seed Mixture, the result of years of experimenting and practical sowing on all types of soil. With its many grass varieties, including Bent and Cheiving's Fescue. Under favorable conditions it will produce a deep-rooted turf, luxuriant, carpet-like, and emerald-green from early spring through summer to early winter.

Staigreen weighs 30 pounds to the measured bushel, which is exceptionally high for Lawn Seed, and heavy seed means pure seed of high quality, free from weeds and chaff. STAIGREEN is also free of Rye Grass or Timothy. We recommend STAIGREEN for all lawns, whether new or old, except in heavy shade or in the extreme South. STAIGREEN contains no white clover, but if desired in your lawn, we suggest you purchase white clover separately on the basis of 1 pound to each 20 pounds of STAIGREEN, and mix prior to seeding.

Staigreen was introduced by us in 1912; through the years we have never lowered the quality of the mixture. We have had to lower or increase the price from time to time, and for several years we were obliged to offer it at a higher price than we do today. It is moderate in price, but is not "cheap." After all, the cost of good seeds in the making or maintenance of a lawn is but a small fraction of the total.



A Staigreen Lawn in Summit, N. J.

Prices of Staigreen

Lb.	\$1 60	25 lbs.	\$6 50
2½ lbs.	3 15	100 lbs.	55 00
5 lbs.	7 50		

Includes delivery to your home

Special Combination Offers

Staigreen Seed	Emerald Fertilizer	Makes Renovates New Lawn Old Lawn	
		Sq. ft.	Sq. ft.
1 lb.	10 lbs.	\$1 75	200 300
2½ lbs.	25 lbs.	3 25	500 750
5 lbs.	50 lbs.	6 15	1000 1500
12½ lbs.	125 lbs.	13 15	2500 3750
25 lbs.	250 lbs.	27 25	5000 7500

"Emerald" is a high-quality grass food described on page 108. Purchaser pays transportation on Fertilizer beyond 50 miles.

Cheiving's Fescue is an important ingredient in the Staigreen formula. Being deep-rooted, and a robust grower in the heat of summer, it imparts to Staigreen a definite resistance to chinch-bug injury and summer scald.

Quantity of Staigreen to Use

	Sowing New Lawns		Renovating Old Lawns
	Lbs.		Lbs.
200 sq. feet.	1	1½	¾
1000 sq. feet.	5	2½	4
Acres.	200	75	125

These amounts will give satisfactory results under average conditions, but if time is not important, and if your soil is good and rich, they may be reduced. They are sometimes doubled by experienced turfsmakers, especially when a lawn is sown in the spring.

Sow during spring, autumn or winter. Avoid hot weather.

Turf in the Shade



The most beautiful of lawns is the one o'ershadowed by trees

Shady Place Lawn Seed

Consists of shade-tolerant grass varieties, properly proportioned, together with sorts which do well in full light. So the formula may be used on both sunny and shaded areas of the lawn. Use 5 pounds per 1000 square feet, or 200 pounds per acre. In very stubborn cases it may be necessary to renovate the lawn every season for several years, proceeding thus: Add lime every winter at the rate of 50 pounds per 1000 square feet; fork the land lightly in the spring, and apply Sawconure, 50 pounds per 1000 square feet and 25 pounds of Emerald Grass Fertilizer; rake smooth and sow Shady Place Lawn Seed. Repeat the programme at the end of summer. **Lb. 75 cts., 2½ lbs. \$1.80, 5 lbs. \$3.50, 10 lbs. \$6.75, 20 lbs. \$13.25, 100 lbs. \$60.**

All-Bent Formula

A mixture of Bent Grasses, the dwarfest sorts in cultivation, creeping in habit, and capable of producing a dense mat of the finest silky turf. To these is added a proportion of high-quality Red-Top. In rich soil this formula will produce a turf finer in texture than a lawn of the ordinary type, and the creeping character of these varieties produces the soft, luxurious feel of a deep, rich green rug.

Soil must be rich and should have Sawconure and Emerald Fertilizer worked into it; these also should be applied as a top-dressing every spring and autumn. Sow 3½ pounds of seed per 1000 square feet or 125 pounds per acre. **Lb. \$1.15, 2½ lbs. \$2.80, 5 lbs. \$5.50, 12½ lbs. \$12.50, 25 lbs. \$24, 100 lbs. \$90.**

S. & W. Co.'s Creeping Bent Seed. Pure seed of the finest of turf grasses. Over six million seeds to the pound, and this combined with the creeping character of the plants makes it possible to sow at a reduced rate on well-prepared soil. Use 2½ pounds per 1000 square feet. With care it will make a putting-green of your lawn. **Lb. \$1.55, 2½ lbs. \$3.80, 5 lbs. \$7.50, 12½ lbs. \$18, 25 lbs. \$35.**

Turf for Large Areas

Sawco High-Grade Lawn Seed. For lawns where low cost is important. Composed of fine re-cleaned grasses with white Clover, carefully proportioned so that they succeed one another throughout summer. One pound will sow 200 square feet; 200 pounds, an acre. **Lb. 55 cts., 2½ lbs. \$1.30, 5 lbs. \$2.50, 10 lbs. \$4.75, 20 lbs. \$9, 100 lbs. \$42.50.**

Greenwood Formula. For cemeteries and parks. Produces turf of medium fineness if mown frequently. Although low in cost, Greenwood Formula contains high-quality grass seeds of strong germination, producing a permanent turf. There is no Clover in the mixture. Use one pound per 10 by 20 feet for new lawns; 200 pounds per acre. **Lb. 45 cts., 5 lbs. \$2.10, 10 lbs. \$4, 20 lbs. \$7.50, 100 lbs. \$35.**

For renovating, use half the quantities recommended for the several formulas above. For quick results, use double these amounts.

Contractors' Grass Formula

As supplied by us in large quantities for use at Army camps, training-grounds, defense housing projects, highway embankments, etc. Based on Federal and State "Standard Formulas." Good quality mixture at low cost. Allow 100 pounds or more per acre. **100 lbs. \$32.50, 1000 lbs. \$300.**



Photo: J. Gass

American and British Sailors grouped on the new lawn of the Bronxville School, Westchester County, N. Y. Grass Seeds supplied by Stump & Walter Co.

A Course of Treatment

THAT WILL EVENTUALLY GIVE YOU A GOOD LAWN UNDER ALMOST ALL CIRCUMSTANCES

Use **LAWNSPREAD.*** It Improves Lawns—Grubproofs Soil

A complete top-dressing in dry powder form—mixture of Plant-foods, Grass Seeds, and Lead Arsenate



The secret of the beautiful turf on golf courses is the frequent application of soil, humus, plant-foods, insecticides, and fungicides; and pure seed is sown. When you broadcast Lawnspread you achieve in one operation what these experts do in several.

LAWNSPREAD contains screened, sterile soil-materials, approved grass-seeds, and high-quality grass seeds; in the mixture, also, are ingredients to deter earthworms, Japanese beetles, and grubs; others to protect against fungous diseases. There are no weed seeds in Lawnspread, and it is almost odorless. Lawnspread may be used wherever grass fertilizers would be applied, but it is a complete treatment, and better results may be looked for.

LAWNSPREAD is a dry powder packed in units containing one-half bushel and weighing 25 pounds. In a dry, cool place, Lawnspread may be stored up to four weeks without impairing the germination of the grass seeds contained in it.

DIRECTIONS FOR USING LAWNSPREAD

Broadcast evenly; rub the powder off the leaves with the back of a rake.

As a tonic for any lawn, use one unit on each 20 by 20 feet at any time. An ideal treatment is to make four applications a year—in March, April, September, and October. Use every month on crab-grass, grub-infested areas, or on brown-patch-infested lawns.

To renovate thin or bare turf, rub the powder on the surface and broadcast one unit on each 10 by 20 feet. If necessary, repeat at intervals of a month until a perfect turf has been obtained.

LAWNSPREAD
Contains mixed seeds for open and shaded areas
1 to 10 bags, \$2.00 per bag
11 to 25 bags, 1.85 per bag
Over 25 bags, 1.70 per bag

SUPER-LAWNSPREAD
Contains Coos County Bent Seeds for home putting-greens
1 to 10 bags, \$2.75 per bag
11 to 24 bags, 2.65 per bag
Over 25 bags, 2.50 per bag

Lawnspread will not burn the grass, nor will it injure birds, cats, or dogs

*Trade-Mark Registered, Patent Pending



Broadcast Lawnspread and rub in with the back of a rake.

New Jersey Lawn Seed Formulas

These are prepared according to the most recent formulas published by the New Jersey Agricultural Experiment Station. They list only those grass varieties known to be suitable for producing excellent turf, and that may be used with every confidence anywhere in the United States, north of the Mason and Dixon line. Although the Experiment Station has established minimum percentages for purity and germination in the individual seeds, our customers will not be surprised to learn that our seeds used in these formulas run consistently and markedly higher than the Station's specifications. We request that this be borne in mind when prices are being considered.

Formula No. 1 (with Clover). Standard for lawns on fair to good soils. Lb. 60 cts., 2½ lbs. \$1.45, 5 lbs. \$2.75, 12½ lbs. \$6.75, 25 lbs. \$13, 100 lbs. \$45.

Formula No. 1a (without Clover). Same basis as above, but without Clover. Lb. 60 cts., 2½ lbs. \$1.45, 5 lbs. \$2.75, 12½ lbs. \$6.25, 25 lbs. \$12, 100 lbs. \$42.50.

Formula No. 2. For finest quality turf, containing a liberal percentage of Colonial Bent. Lb. 75 cts., 2½ lbs. \$1.80, 5 lbs. \$3.50, 12½ lbs. \$8.25, 25 lbs. \$16, 100 lbs. \$60.

Formula No. 3. For shaded areas. Lb. 95 cts., 2½ lbs. \$2.30, 5 lbs. \$4.50, 12½ lbs. \$10.50, 25 lbs. \$20, 100 lbs. \$75.

Formula No. 4. For poor, clayey, shaley, or sandy soils; and for lawns on terraces or steeply sloping land. Lb. 65 cts., 2½ lbs. \$1.55, 5 lbs. \$3, 12½ lbs. \$7, 25 lbs. \$13.50, 100 lbs. \$50.

Turf in the South

Southern Lawn Grass Seed. From central Virginia south, the ordinary northern grasses will not thrive permanently, and good results are not likely to follow the use of the customary mixtures. As a result of an intimate knowledge of southern conditions we offer a special formula which we find is highly satisfactory. We advise that two seedings be made, one in spring and one in fall, allowing at each, one pound to every 20 by 20 feet. Lb. 60 cts., 2½ lbs. \$1.45, 5 lbs. \$2.75, 12½ lbs. \$6.75, 25 lbs. \$13, 100 lbs. \$45.

THIOSAN For the Control of Brown-Patch in Turf

A condition sometimes arises on lawns, putting-greens and bowling-greens where the grass is injured and turned brown. Dusky spots may appear, round or oval in shape, increasing in size hour by hour (large brown-patch). In another form, hundreds of small spots about 1 inch across develop overnight (dollar-spot). Both these are usually due to parasitic fungi.

The fungi may be destroyed with Thiosan. Under ordinary conditions 1 pound stirred into 30 gallons of water for each 6000 square feet of turf (23½ ounces in 5 gallons to each 1000 square feet) applied every 7 to 10 days will give protection. Sometimes, however, a double dosage at more frequent intervals may be needed. 5 lbs. \$6.96, 25 lbs. \$32.55, 100 lbs. \$125.

INTEGRITY AS IMPORTANT AS EVER. The Experiment Station publishes the Formulas, but cannot endorse the mixtures. As always, you must depend upon the reputation of the supplier.



Southern Formula for Lawns in the Southern States



Seashore Formula for Areas under the Influence of Salt Spray

Lawn Seeds for Unusual Situations

Seashore Mixture. Deep-rooting varieties that resist salt spray and high winds. **Lb. 65 cts., 2½ lbs. \$1.60, 5 lbs. \$3.10, 12½ lbs. \$7.25, 25 lbs. \$13.50, 100 lbs. \$50.**

Terrace Lawn Seeds. Produce strong, spreading, soil-binding roots. Where slope is severe, sow 1 quart of oats along with each pound of seeds; keep mown. **Lb. 75 cts., 2½ lbs. \$1.80, 5 lbs. \$3.50, 10 lbs. \$6.75, 20 lbs. \$13.25, 100 lbs. \$60.**

Urban Formula. For turf in the city; resists the effects of shade, gasoline fumes and hard wear. Resulting lawn is deep green, but somewhat coarse. **Lb. 50 cts., 2½ lbs. \$1.20, 5 lbs. \$2.35, 12½ lbs. \$5.75, 25 lbs. \$11, 100 lbs. \$40.**

QUANTITY OF SEED TO USE

	Normal lawns on good soil; golf fairways, football and polo fields	Lawns in unusual situations; golf-greens, tees, bunkers; tennis-courts and bowling greens.	Army camps, airports, race-tracks; rough on a golf-course.
	Lbs.	Lbs.	Lbs.
200 sq. ft.	1	1½-2	—
1000 sq. ft.	5	7½-10	—
Acre.	200	250	100

Allow one-half above quantities when renovating. Use double for new turf needed quickly

Aviation

Airport Formula, Superfine Quality. A combination of turf-binding grasses that will produce a strong, densely matted turf. It gives a sward of a deep green color. **100 lbs. \$45, 1000 lbs. \$425.**

Airport Formula, Fine Quality. Gives a tough, wear-resistant turf, of a gray-green color. **100 lbs. \$32.50, 1000 lbs. \$300.**

Polo and Racing

Hurlingham Formula. Mixture used on the well-known English field, adapted to American conditions. **5 lbs. \$3.25, 25 lbs. \$13.50, 100 lbs. \$50.**

Racetrack Formula. Produces a turf which is tough, thick, dark green and vigorous. **100 lbs. \$32.50, 1000 lbs. \$300.**

Football

Touchdown Formula. Hard-wearing grasses properly proportioned. **5 lbs. \$3.25, 25 lbs. \$13.50, 100 lbs. \$50.**

Turf for Sports

Golf Putting-Green Formulas

Standard Putting-Green Formula. Recommended for light, dry soils. This is a blend consisting of imported and domestic grass seeds of fine quality. The mixture includes the Bent grasses and Red Fescue. **Lb. \$1, 5 lbs. \$4.50, 25 lbs. \$18.50, 100 lbs. \$70.**

Special Putting-Green Bent Formula. Recommended for well-prepared, rich soils. This is a blend of grass seeds of the finest quality—all of the highest purity and strongest germination. We include in the formula an increased proportion of the Bents. **Lb. \$1.10, 5 lbs. \$5, 25 lbs. \$21, 100 lbs. \$80.**

Golf Fairgreen Formulas

Fairgreen Formula, Fine Quality. Recommended for light, dry soils. Under average conditions this mixture will produce an even, tough and lasting turf. **Lb. 55 cts., 5 lbs. \$2.50, 25 lbs. \$10, 100 lbs. \$35.**

Fairgreen Formula, Superfine Quality. For well-prepared, rich soils. Contains Bent, Cheving's Fescue, Kentucky Blue Grass, and Superfine Red-Top. **Lb. 70 cts., 5 lbs. \$3.25, 25 lbs. \$13, 100 lbs. \$47.50.**

Formula for Problem Fairways. Resists chinch-bug, drought, heat, and poor soil. **5 lbs. \$3.50, 25 lbs. \$15, 100 lbs. \$55.**

Formula for Irrigated Fairways. Gives wonderful results where it is possible to keep the soil moist under all conditions. **5 lbs. \$4, 25 lbs. \$17.50, 100 lbs. \$65.**

Tee Formula. **5 lbs. \$3, 25 lbs. \$12, 100 lbs. \$42.50.**

Rough Formula. **5 lbs. \$2.50, 25 lbs. \$10, 100 lbs. \$35.**

Divot Formula for Repairing Damage

A blend consisting of (a) permanent grasses suitable for sports fields, fairways and trees, with (b) seeds of the quickest growing plants of a temporary nature. The latter grow immediately, and in a day or two of favorable weather you cannot locate the divot; in the course of a few weeks, with cutting, the temporary plants disappear, leaving the permanent grasses, now established, in possession of the soil. **Lb. 70 cts., 5 lbs. \$3.25, 25 lbs. \$14, 100 lbs. \$52.50.**

Lawn Bowling

Bowling Green Formula. A mixture of fine Bent grasses. Standard dimensions of a bowling green are 120 by 120 feet. **Lb. \$1.40, 5 lbs. \$6.50, 25 lbs. \$30.**

Lawn Tennis

West Side Tennis Formula. Grasses which may be mown closely, rolled continuously, and which will stand up well under localized wear. **Lb. 75 cts., 5 lbs. \$3.50, 25 lbs. \$15, 100 lbs. \$55.**



Stumpp & Walter Co.'s Grass Seeds and Fertilizers are used on the Parade-Ground, Polo Field and Stadium at the U. S. Military Academy, West Point, N. Y.

The story of a good lawn

HOW TO MAKE A LAWN

Dig the soil about 6 inches deep, but only when it is dry; if rain has fallen recently allow a few days of fine weather to elapse before commencing. As you dig, lift each clod high enough to enable you to turn it completely over. Strike the inverted clod with the back of the fork to break it. Remove all stones, sticks, and rubbish. Scatter *Emerald Grass Fertilizer on the dug earth; use 50 pounds to each 1000 square feet. Draw a rake back and forth until the soil is smooth and in fine condition.

Sow good lawn seed at the minimum rate of 1 pound (about 1½ quarts) to each 200 square feet. Double the quantity for spring seeding and when turf is needed quickly. Select a day when no wind is blowing; divide the seed into two portions and sow the land twice to insure its even covering. When you have distributed the seed, rake the land once more, but very lightly. Do not work the rake back and forth—merely draw it toward you in a series of light strokes, raking only once in the same place so as to bury most of the grass seeds no more than ¼ inch deep.

Roll the seeded area, but should rain fall before the work is completed, defer the rolling until the land has dried or dispense with it altogether.

How about grub-proofing? Where Japanese beetles abound, also broadcast *Senoled at 25 pounds per 1000 square feet when the lawn is being made; use it annually thereafter. Senoled is a mixture of lead arsenate and plant-foods.

How long will the lawn be growing? Under very favorable conditions the young seedlings show through in less than ten days and the whole area looks green in a further two weeks; wait four weeks more before walking on the grass except to mow it.

When is the best time? Early spring and late summer are most favorable, while seed will do well on level ground if sown in winter. Watch for and remove crab grass from late spring sowings. Do not sow during hot weather.

Will the above directions hold on poor or sandy land? Before commencing work on poor soil, spread *Sawconure at the rate of 100 pounds to each 1000 square feet. Do not attempt to grow a lawn on excavated soil, subsoil, or "fill" without first applying Sawconure, digging, then adding at least 1 inch of top-soil. When preparing soil of this character, 1000 pounds of *Humus per 1000 square feet may also be used to advantage. In every case apply Emerald Grass Fertilizer as suggested above.

How about moist, sour soil? Spread *Pulverized Limestone on the dug-over land at the rate of 100 pounds to each 1000 square feet and rake in; wait a week and then follow direction. In bad cases it will be necessary first to drain the land by digging ditches and laying tile.

Should I sprinkle the new lawn? Yes, if seeding is followed by hot, dry weather. Otherwise it is best not to water for the first three weeks for fear of disturbing the seed. Later when the grass has started the young lawn should never be allowed to become dry.

What after-care is needed? As soon as the young grass is 2 inches high, begin cutting it and keep it regularly mown; roll it occasionally, and water it during dry weather.

How about White Clover? We include Clover only in our "High Grade" Lawn Seed, Urban, and New Jersey Formulas 1 and 4. We omit it from all other mixtures, because Clover is often not liked nowadays in the finest lawns. For the convenience of our customers who wish it, we offer Superline White Clover separately (see page 22). Mixed with grass seeds, the usual allowance of Clover is 5 per cent.

REJUVENATING A LAWN

LARGE-SCALE RENOVATING

First, mow closely and remove weeds. Then:

1. Scratch the surface with a rake.
2. Broadcast *Sawconure, 50 pounds per 1000 square feet, and *Emerald Lawn Fertilizer, 25 pounds per 1000 square feet. At this time, spreading sufficient top-soil to make an even surface without hiding the grass, will be beneficial.
3. Rub with the back of the rake.
4. Sow good lawn seed, 2½ pounds per 1000 square feet.
5. Again rub with the back of the rake. Grass must be dry; early spring and late summer are the most favorable seasons.

REPAIRING A LAWN

RENOVATING SMALL AREAS

Should your lawn fall in spots, if some areas are thin or bare, or when you cannot get grass to grow under trees:

1. Roughen the surface with a rake.
2. Apply *Lawnspray.

Perhaps deliverymen cut corners and wear a path in the turf; here again, *Lawnspray will help. This mixture of soil materials, plant-foods, insecticides, fungicides, and grass seed is described on page 26. Allow one unit to each 200 square feet and apply every month, from March to November, until the turf is perfect.

ROUTINE CARE OF YOUR LAWN

Mow twice a week, setting your machine so that it cuts the grass moderately long, especially during July and August. Do not remove clippings; if they are unsightly it shows that you do not cut often enough.

Water an established lawn only when it is needed, but give plenty during dry spells in July and August. Use an approved sprinkler and soak every three days. On established lawns watering is usually unnecessary in spring and fall.

Weeding. All soils contain seeds of weeds and many of them start to grow along with the grass; these, ordinarily, are not removed from a new lawn

at first, because mowing will kill most. Six weeks after the first cutting, however, take out whatever weeds may then be seen. It is important to dig deep down for dandelions and plantains, while for crab grass it is sufficient to cut the plant off at the ground-level. Fill all weed-holes with *Lawnspray.

Feeding. Spread *Emerald Grass Fertilizer every spring at the rate of 25 pounds per 1000 square feet, and *Sawconure, at 50 pounds per 1000 square feet, every late autumn. *Limestone every second winter, at the rate of 50 pounds per 1000 square feet, will be helpful in most sections.



High Quality Flower Seeds

We mail Flower Seeds post-free anywhere in the United States



Ageratum

AGERATUM • Floss Flower

Annual, with tassel-like clustered flowers. One of the best edging and bedding plants. Easily raised from seed, started early indoors and transferred to the open ground in May. Can also be sown outdoors in May.

Blue Bedder. Delightful midget, smothered with large, deep lavender-blue flowers. 4 in. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.

Midget Blue. Miniature sort, excellent for edging, and a mass of azure-blue flowers. 4 in. Pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{2}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50.

Fairy Pink. A mass of bloom, starting even when but half grown. Soft salmon-rose. 5 in. Pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{2}$ oz. \$2.50.

Improved Blue Ball. Dwarf, compact, very uniform plants. Large rich blue flowers. 4 in. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Blue Perfection. Deep blue flowers. Large enough for cutting. 6 in. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Little Dorrit, Blue. Bright blue; 6 in. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Little Dorrit, White. Pure white; 6 in. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

ABRONIA umbellata (Sand Verbena). *Annual*. Rosy pink; 9 in. Trailing plant, with flowers in clusters. Especially fragrant at night. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

ACANTHUS latifolius (Bear's Breech). *Hardy Perennial*. Rose-colored flowers in $\frac{1}{2}$ -ft. spikes. Striking plant. 3 ft. Aug., Sept. Pkt. 15 cts., oz. 75 cts.

ACHILLEA (Yarrow). *Perennial*. **Ptarmica, The Pearl.** White; 2 $\frac{1}{2}$ ft. Small, double flowers in dense flattened clusters. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

ACONITUM (Monkshood). *Perennial*. **Woloni.** Mid-blue; 6 ft. The handsomest of the Monkshoods. Long spikes of helmet-shaped flowers from summer until November. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1. **Napellus.** Dark blue; 3 ft. Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

ACROCLINIUM (Everlasting). *Annual*. Various colored, chaffy, daisy-like flowers, useful for dried bouquets for winter. 20 in. **Large Double Hybrids, Mixed Colors.** Pkt. 20 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

AGATHEA celestis (Blue Daisy). *Greenhouse Plant*. Tender perennial, with beautiful blue flowers 1 in. across. 3 ft. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{4}$ oz. 75 cts.

AGROSTEMMA coronaria (Rose Campion; Mullein-Pink; Dusty Miller). *Perennial*. Woolly leaves and stems, with 1-in. terminal five-petal flowers of brilliant crimson. 2 $\frac{1}{2}$ ft. June to Sept. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

SWEET ALYSSUM • Madwort

Popular annuals, ideal for edging a flower-bed or planting alongside a walk. Sow in the open in spring where they are to flower, and thin or transplant to 6 inches apart. Or start them indoors and transfer to the garden.

White Carpet (A. compactum). *Annual*. White; 3 in. Flowers smoother the plants. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Annual Yellow (A. lutescens). *Annual*. Pale yellow, fading to white. 6 in. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.50.

Little Gem (A. maritimum). *Annual*. White; 6 in. Each plant covers a circle of 12 to 20 inches. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50.

Sweet Alyssum (A. Benthami). *Annual*. White; 9 in. Well-known fragrant variety. Pkt. 10 cts., $\frac{1}{4}$ oz. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Violet Queen. *Annual*. See illustration on back cover. Dwarf, compact and free flowering. The clusters of small blossoms are fragrant and a rich, deep violet hue. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Saxatile compactum (Golden Rain). *Perennial*. Yellow; 15 in. Rock or border plant; bright yellow flowers from April to June. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Saxatile, Silver Queen. *Perennial*. Lemon; 15 in. Early-blooming; will be appreciated for its masses of the palest lemon flowers. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Perennial Rock Species, Mixed. Includes such varieties as Montanum, Rostratum, Corymbosum, Gemonense, etc. Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

AMARANTHUS. *Annual*. Brilliant-foliaged plants, some bearing curious flowers.

Caudatus (Love-Lies-Bleeding). Blood-red; 4 ft. Drooping. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 50 cts.

Sunrise. Scarlet; 4 ft. Foliage bronzy crimson, each branch ending in a scarlet tuft. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{4}$ oz. \$1.

Molten Fire. Scarlet; 4 ft. Bronze foliage tipped with a head of fiery scarlet. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{4}$ oz. \$1.

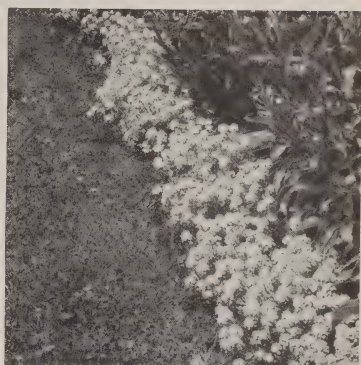
Tricolor (Joseph's Coat). 2 $\frac{1}{2}$ ft. Leaves red, yellow, and green. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

ANAGALLIS (Pimpernel). *Annual*. Splendid edging plant because its flowering period is long. It opens its flowers widest when fine weather is due and closes them tight as a storm warning.

Bluebird. Beautiful lobelia-blue; 10 in. **Terra-Cotta.** Brilliant red hue; 10 in.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Perfumes by Atkinson remind you of the Sweet Fragrance of old World Flowers. See page 84.



Sweet Alyssum

ANCHUSA • Alkanet

Striking hairy-leaved plants with funnel-shaped, large, myosotis-like flowers.

Capensis. *Biennial*. Azure; 1 $\frac{1}{2}$ ft. July, Aug. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 75 cts.

Italica, Dropmore Variety. *Perennial*. Gentian-blue flowers from July to September. Improved strain. 5 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Myosotidiflora. *Perennial*. Mass of blue flowers. 1 $\frac{1}{2}$ ft. Pkt. 50 cts., 3 pkts. \$1.25.

Opal. *Perennial*. Beautiful plant, similar to Dropmore, but pale blue. 5 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Annual, Blue Bird. Dwarf, compact type, with vivid indigo-blue blossoms. Flowers two months after sowing. 1 $\frac{1}{2}$ ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

ANEMONE (Windflower). *Perennials*. Mostly used for growing under glass; they need winter protection outdoors.

Giant de Caen, Mixed. Giant French Anemone. 1 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Blue Poppy. A fine, all-blue sort. 1 ft. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

His Excellency. An all-scarlet-red variety. 1 ft. Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

St. Brigid, Creagh Castle Strain, Mixed. Great variety of colors. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25.

ANTHEMIS. *Perennial*. Scented foliage. **Kelwayi** (Marguerite). Large, yellow daisy flowers. 2 ft. July-Sept.

Tinctoria. Fine-cut foliage with 2-inch yellow flowers. 3 ft. June-Oct.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50

ARABIS alpina (Rock-Cress). *Perennial*. White. 1 ft. For edging and rockeries. Spreading tufts covered with flowers in April. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50. **Alpina rosea.** *Perennial*. Pink; 1 ft. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{4}$ oz. \$2.

ARENARIA montana (Sandwort). *Perennial*. 6 in. For the rock-garden or edging. A trailing carpet of green with small white flowers. Pkt. 35 cts., 3 pkts. \$1.

Rust-Resistant Outdoor Antirrhinums • Snapdragons

Annuals of simple culture with hooded florets on long spikes. Excellent border and bedding plants.

Maximum or Super-Giants

3 feet

Mass plantings make an excellent show, and for cutting they are ideal.

Alaska. Pure white.

***Apple Blossom.** Light pink.

***Canary Bird.** Canary-yellow, deeper lip.

Copper King. Burnished copper; gold lip.

***Copper Queen.** Bronze, blending to old-gold.

***Crimson.** Deep crimson.

***Loveliness.** Soft rose-pink.

Swingtime. Large pink florets, each tipped bright yellow, and with a white throat.

Yellow Giant. Closely placed flowers on large trusses; color, the deepest yellow so far.

Each, pkt. 25 cts., 1/4oz. 75 cts., 1/4oz. \$1.25

COLLECTION: 5 varieties marked (*), \$1

Maximum, Mixed. Pkt. 15 cts., 1/4oz. 50 cts., 1/4oz. 75 cts.

Majus or Tall. 2 1/2 ft.

REVEILLE. The color suggests the calm of the morning sun—a deep, luminous yellow with the upper lip of each floret toning to a lighter lemon-yellow. The individual florets are exceptionally big, and the spikes may measure 10 inches; over twenty may be borne by a single plant. Pkt. 25 cts., 1/4oz. \$1.25, 1/4oz. \$2.

Rosalie. An illustration of it in color appears on the back cover. The large florets are topaz-rose with darker center and a golden flush over all. Pkt. 25 cts., 1/4oz. 60 cts., 1/4oz. \$1.

***Buttercup.** Canary-yellow.

***Daintiness.** Deep pink.

Harmony. Terra-cotta and rose.

Opal Queen. Combined pink, salmon and apricot; pale yellow tips.

***Pinkie.** Clear pink.

***Scarlet (Defiance).** Scarlet-red.

***Shasta.** Pure white.

Each, pkt. 15 cts., 1/4oz. 50 cts., 1/4oz. 75 cts.

COLLECTION: 5 varieties marked (*), 60 cts. Majus, Mixed. Pkt. 10 cts., 1/4oz. 35 cts., 1/4oz. 60 cts.



Antirrhinum

Antirrhinum Nanum. 1 1/2 ft.

Amber and Gold. The color effect is one of terra-cotta; the tips of the pink-throated florets are golden and their hoods amber.

Du Barry. A new color—flaming rose-salmon, shaded with gold, a self-hue, except for a yellow spot on the lower lip.

Ruby. Heavy, solid spikes of the brightest carmine-crimson florets.

Each, pkt. 25 cts., 1/4oz. 75 cts., 1/4oz. \$1.25

Antique Gold. Shades of old-gold, copper, terra-cotta, fawn, and orange.

Apple Blossom. The first pink to be offered in this class that is resistant to rust.

***Carmine-Rose.** Carmine-rose; yellow lip.

***Glowing Sunset.** Lower half of blossoms velvety scarlet; upper half has a rose tinge.

Gypsy Girl. Carmine, with a golden nose; the tube is white.

***Indian Girl.** Brownish shiny orange, overlaid with yellow.

***Red Boy.** A brilliant flaming color.

***Wildfire.** Orange-scarlet; yellow lip.

***Yellow Gem.** Clear yellow.

Each, pkt. 15 cts., 1/4oz. 50 cts., 1/4oz. 75 cts.

COLLECTION: 6 varieties marked (*), 75 cts.

Nanum grandiflorum, Mixed. Pkt. 10 cts., 1/4oz. 35 cts., 1/4oz. 60 cts.

Midget Antirrhinum

Height 6 in. (Not Rustproof)

Rock Hybrids. Valuable for edgings and the rock-garden. Early, continuous. Pkt. 15 cts., 1/4oz. 75 cts., 1/4oz. \$1.25.



Aquilegia clematiflora

Greenhouse Antirrhinums

Of Special Interest to Producing Florists

To obtain a succession of bloom, monthly sowings are usually made, starting in July.

Afterglow. Bronze. Pkt. \$1.

America. Brilliant rose-pink with orange lip, blending into pure lemon. Fine winter bloomer. Pkt. \$2.

Bertha Baur. Lavender. Pkt. \$1.

Bezdek's Yellow Wonder. One of the best yellows. Pkt. \$2.

Ceylon Court. Yellow. Pkt. 50 cts.

Cheviot Maid Supreme. Dark rose-pink. Pkt. 75 cts.

Cheviot Maid, Yellow. Long-stemmed; pure medium yellow. Pkt. \$1.

Christmas Cheer. Fine rose; midwinter. Heavy yielder. Pkt. \$1.50.

Ethel. Finest early golden yellow. Pkt. \$1.50.

Glorious. Bright scarlet-bronze. Early. Pkt. \$2.

Hodaly's Ideal. Sensational prize-winner. Carmine, shading to orange and lavender, tipped yellow; white throat. Pkt. \$2.

Jennie Schneider. Rose-pink. Pkt. 50 cts.

Klondyke Supreme. Very deep yellow. Early. Pkt. \$1.50.

Koester's White. One of the best pure white Snaps. Vigorous grower, producing long and strong stems. Pkt. \$2.

Lemon Beauty. Fine, large, late sort with well-formed yellow spikes. 5 ft. Pkt. \$1.50.

Lucky Strike. White. Pkt. \$1.

Marie Louise. Splendid shell-pink. Pkt. \$2.

Naomi. About 30 inches high; early, continuous bloomer. Clear rose-pink with a touch of yellow. Pkt. \$1.50.

Radiance. Large; deep rose-pink. Pkt. \$1.

Rose Queen. Pink. Pkt. \$1.

Schafforth's Early Pink. Bright color. Pkt. \$2.

St. Louis Early Pink. One of the best. Pkt. \$2.

Sun Tan. Tan-yellow. Pkt. 75 cts.

Talisman. Florets are semi-double and double, and their color is a combination of rose and golden bronze. Early. Pkt. \$2.

Terry's Surprise Improved. Rose, shaded bronze. Pkt. \$1.50.

Velvet Beauty. Fine rose-red. Pkt. \$1.

Westover's Fringed White. Fine pure white. Pkt. \$1.

White Rock. Pkt. 50 cts.

White Wonder. The finest pure white, with large, close spikes. 5 ft. Pkt. \$1.

THREE PACKETS OF A KIND

Three 50-ct. packets of any of above, \$1.25; three 75-ct. pkts., \$2; three \$1 pkts., \$2.50; three \$1.50 pkts., \$4; three \$2 pkts., \$5.

AQUILEGIA • Columbine

Perennial. Graceful spurred flowers, often two-colored, on long stems; spring. 2 1/2 ft.

Sawco Colossal. There are seventy color combinations in the mixture. The enormous flowers measure about 5 1/2 inches across and are exceptionally long-spurred. Pkt. 50 cts., 3 pkts. \$1.25, 1/4oz. \$2.

Copper Queen. Copper and straw colors.

Blue Shades. All blues from light to dark.

Pink Shades. From light to darkest rose.

Scarlet Shades. Light and dark scarlet.

Mixed Shades. Including all above colors.

Above 5, each, pkt. 25 cts., 1/4oz. \$1,

1/4oz. \$1.50, oz. \$5

Clematiflora. New type; flowers shaped like a clematis. Mixed colors, mostly pink and blue. 1 1/2 ft. Pkt. 75 cts., 3 pkts. \$2.

Crimson Star. Blood-red, center petals white. Pkt. 25 cts., 5 pkts. \$1.

Cerulea. Violet-blue and white; 2 ft. Pkt. 15 cts., 1/4oz. \$1.25, 1/4oz. \$2.

Longissima. Yellow; 2 1/2 ft. Spurs often 4 inches long. Pkt. 50 cts., 3 pkts. \$1.25.

Longissima Hybrids. Broad petals and long spurs. Colors are red, blue, white and rose. Pkt. 50 cts., 3 pkts. \$1.25.

Rose Queen. Rose shades, white centers. 3 ft. Pkt. 25 cts., 1/4oz. \$1, 1/4oz. \$1.75.

Asters Resistant to Wilt

Annual. Asters should have an open, sunny position, and prefer a good, rich, loamy soil; do not grow them on the same ground two years in succession. Seeds may be started in a sunny window, hotbed or coldframe in March and transferred to the garden as soon as danger of frost has gone. May also be sown outside in May. Allow 1½ feet between plants.

All colors are now available in varieties that are highly wilt-resistant. They are not claimed to be entirely immune, however, although they are very robust and less likely to be affected than old-time sorts.

Aurora, Golden Sheaf. The deepest yellow Aster. The flowers are perfectly double, with a full, crest-like center. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Ball's White. Finest midseason white Aster. The flowers are 4 inches in diameter. Broad petals are slightly folded lengthwise. Pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50.

Blue Flame. Bright navy-blue. Large, Comet-like flowers, fully double. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Heart of France. See illustration on back cover. The plants grow about 2 feet high and bear their large rich, deep ruby-red flowers on long, strong stems. Pkt. 25 cts., ¼oz. 75 cts., ½oz. \$1.25.

Illusion. A soft pastel shade of apricot-pink. Upright plants are 2 feet tall and they bloom freely. A delightful new member of the Crego type. Pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50.

QUEEN OF THE MARKET. Well-known; early; branching habit. 1½ ft.

White	Scarlet
Crimson	Flesh-Pink
Dark Blue	Light Blue

Any of above colors, pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.
COLLECTION: Pkt. each, above 6 colors, 75 cts.

EARLY ROYAL. (Branching Type.) Early-flowering form. July.

White	Purple
Lavender	Shell-Pink
Rose-Pink	Scarlet

Each color, pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50
Mixed. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.
COLLECTION: Pkt. each, above 6 colors, 75 cts.

IMPROVED CREGO, or OSTRICH-FEATHERED. (Comet Type.) Finest of the Comet Asters. Long-stemmed flowers are 5 inches across.

Orchid	Azure-Blue	Shell-Pink
Deep Rose		Crimson
Dark Blue		White

Any of above colors, pkt. 20 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.
COLLECTION: Pkt. each, above 7 colors, \$1.25



Aster, Heart of France

PRINCESS. These are wonderful for cut-bloom. The handsome flowers have a bomb-shaped center, ringed with several tiers of ray-florets. 2 ft.

Princess Annie. Peach-blossom.

Princess Bonnie. Rose-salmon.

Princess Marsha. Cinnabar-scarlet.

Each, pkt. 25 cts., ¼oz. \$1, oz. \$3.50

EARLY GIANT. The flowers are fully double, 4 to 5 in. across and are wonderful for room decoration. 2½ ft.

Peach Blossom. Lavender-pink.

Light Blue. Bright, light hue.

Rose Marie. Rose-color, bright and rich.

Above, each, pkt. 25 cts., ¼oz. \$1, oz. \$3.50

COLLECTION: Pkt. each, above 3, 60 cts.

ASTERMUMS. New race of the Comet type. The plants are of upright growth frequently having twelve to fifteen strong, sturdy stems, each carrying enormous flowers like chrysanthemums.

White	Lavender	Rose-Pink
-------	----------	-----------

Each color, pkt. 20 cts., ¼oz. \$1, oz. \$3.50

Mixed. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

COLLECTION: Pkt. each, above 3 colors, 50 cts.

BEAUTY. This type comes into bloom in September and is at its best through October. The plants grow nearly 3 feet high and bear their very large, dense flowers on long stems.

Flesh-Pink	Deep Rose	White
Purple	Azure-Blue	Crimson

Each color, pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, above 6 colors, \$1

LATE BRANCHING. The flowers are of extraordinary size and stand erect on long, graceful stems, well above the foliage.

Pure White	Purple
Shell-Pink	Crimson
Rose-Pink	Sensation (red)
Lavender	

Each color, pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, above 7 colors, 85 cts.

SINGLE COMET. Very decorative. Large blooms measure 5 to 6 inches across.

White	Dark Blue	Scarlet
Light Blue	Light Rose	

Each color, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

Mixed. Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25.

COLLECTION: Pkt. each, above 5 colors, 60 cts.

Non-Wilt-Resistant Strains

GIANT SUNSHINE. Not wilt-resistant. Individual flowers are 4 to 6 inches across, with cushiony centers of tubular florets and rims of exquisitely pointed out-guard florets. 3 ft.

Pale Pink	Rich Rose
Lavender	White
Salmon-Pink	Mixed
Light Blue	

Each color, pkt. 25 cts., ¼oz. 60 cts., ½oz. \$1

COLLECTION: Pkt. each, above 6 colors, \$1



Asters, Midseason Giants

MIDSEASON GIANTS. Sturdy, upright plants produce flowers often measuring 6 inches in diameter and fully double.

Azure-Blue	Shell-Pink	Purple
Lilac	White	Rich Rose

Each color, pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, 5 colors, \$1



Hardy Asters

Hardy Perennial Asters

Michaelmas Daisy; Starwort

Alpinus (Rock Aster). Large soft blue flowers. Good rock-garden plant. 9 in. May, June. Pkt. 35 cts., ¼oz. \$2, ½oz. \$3.50.

Alpinus albus. White form of the above; 9 in. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50.

Amellus, Sonia (Italian Aster). Pure bright pink. 2 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Wartburg Star. Bright lavender-blue, with pronounced yellow centers. Long stems. Excellent for cutting. 2 ft. Pkt. 50 cts., 3 pkts. \$1.25.

ARCTOTIS

African Daisy

Annual. Whitish woolly leaves and daisy-like flowers.

Autumn Shades. Mixed colors; 2 ft. Various tones of red, orange, and bronze. Pkt. 15 cts., 3 pkts. \$1, 1/2 oz. \$1.50.

Grandis. Lilac; 3 ft. Flowers are large, showy, white above, lilac-blue beneath. Pkt. 10 cts., 1/2 oz. 50 cts., oz. \$1.50.

Sawco Hybrids. 1 ft. Including: coppery rose, red, crimson, orange, gold, cream. Pkt. 35 cts., 3 pkts. \$1, 1/2 oz. \$1.50.

ARGEMONE mexicana (Prickly Poppy). Annual. Yellow shades; 2 1/2 ft. Spiny foliage has a silvery mid-rib. Flowers are 3 inches across, yellow to creamy white.

Pkt. 10 cts., 1/2 oz. 50 cts.

ARMERIA (Sea Pink; Thrift). Perennial. Useful and effective, tufted rock-garden plants with reed-like leaves and dense, rounded flower-heads from June to August. **Formosa.** Beautiful pink; 12 in. Pkt. 20 cts., 1/2 oz. 60 cts., 1/2 oz. \$1.

Formosa, Large-flowering Hybrids. Mixed colors; 16 in. Bright hues of pink, red, and carmine; large, ball-shaped flowers. Pkt. 25 cts., 1/2 oz. 75 cts., 1/2 oz. \$1.25.

ASCLEPIAS tuberosa (Butterfly Weed; Pleurisy Root; Orange Milkweed). Perennial. Showy clusters of orange flowers; 2 1/2 ft. Pkt. 25 cts., 1/2 oz. \$1.

ASPARAGUS plumosus nanus. Greenhouse Plant. For house or conservatory. Fine fern-like foliage; indispensable for use with cut-flowers. Pkt. 25 cts., 100 seeds 60 cts., 500 seeds \$1.75, 1000 seeds \$3.

Sprengeri. Greenhouse Climber. For hanging-baskets or table decoration. Leaflets 1 inch long. Pkt. 15 cts., 100 seeds 50 cts., 500 seeds \$1.50, 1000 seeds \$2.50.

ASPHODELINE lutea (King's Spear; Jacob's Rod). Hardly tuberous-rooted perennial, its stately finger-shaped spikes crowded with golden star-shaped flowers. 4 to 5 ft. July, Aug. Pkt. 35 cts., 3 pkts. \$1.

AUBRIETIA (False Wall Cress). Perennial. Rock-plants, forming mats of foliage and flowers in spring and summer. 6 in. **Bougainvillea.** Dark blue. **Græcia.** Light blue.

Above 2, each, pkt. 15 cts., 2 pkts. 25 cts.

Large-flowering Hybrids, Mixed. Wide color-range. Pkt. 25 cts., 1/2 oz. \$1.

BALLOON VINE (Love-in-a-Puff). Annual Climber. White; 8 ft. The inflated seed-vessels are interesting. Pkt. 10 cts., 1/2 oz. 30 cts., oz. 50 cts.

BAPTISIA australis (False Indigo). Perennial. Blue; 3 ft. Deep green, cut foliage and lupine-like flowers. June, July. Pkt. 10 cts., 1/2 oz. 35 cts., oz. \$1.25.

BOCCONIA cordata (Plume Poppy; Tree Candeline). Perennial. 5 ft. Effective as single specimens or in groups. Spikes of cream-colored flowers, 1 ft. long. June, July. Pkt. 10 cts., 1/2 oz. 50 cts., oz. \$1.50.

BRACHYCOME (Swan River Daisy or Annual Cineraria). Annual. 1 1/2 ft. Dwarf plant covered during the summer with a profusion of flowers. Good for edging or borders, giving a beautiful display.

Blue Star **Mixed Colors**

Each, pkt. 15 cts., 1/2 oz. 75 cts., oz. \$2.50

BALSAM

Lady's Slipper

Annual. Sturdy pyramidal plants (except Bush-flowered) with brilliant double flowers shaped like camellias, borne close to the stem. Useful and showy flower-bed subjects.

White Perfection.

Scarlet King.

Salmon Queen.

Lilac Gem.

Purple King.

Chamois-Rose. Bright rose.

Each, pkt. 10 cts., 1/2 oz. 50 cts., oz. \$1.50

COLLECTION: Pkt. each, above 6 colors, 50 cts.

S. & W. Co.'s Double, Mixed. Self-colors, also spotted, blotched and striped varieties. Pkt. 10 cts., 1/2 oz. 30 cts., oz. \$1.

Bush-flowered, Mixed. Rounded plants; the flowers range from white, through scarlet, lilac, and pink to yellow. Pkt. 25 cts., 5 pkts. \$1.

BROWALLIA (Amethyst). Annual. Beautiful rich blue tubular flowers during summer and autumn. Blooms freely in winter if plants are lifted and cut back.

Sapphire. 10 in. Dark blue, white eye. Pkt. 25 cts., 5 pkts. \$1.

Speciosa major. 1 ft. Large; violet-blue. Pkt. 50 cts., 3 pkts. \$1.25.

BEGONIAS

The following varieties of *Begonia semperflorens* and *B. gracilis* rank as bedding plants with geraniums and coleus, doing equally well in full sunlight, and surpassing both in shady positions. They grow about 1 foot high, and form dense bushes which, from May until frost, are hidden with flowers. As pot-plants they are a mass of bloom all year.

Semperflorens Type

Carmen. A dwarf Begonia growing not more than 15 inches high. The 1-inch flowers are clear pink and the foliage is a dark, shining green.

Coral Prize. Deep coral-pink self-colored flowers.

Indian Maid. Deep blackish brown foliage and brilliant orangy scarlet flowers about 1 inch in diameter.

Isle de France. Symmetrical plants are smothered under pure white flowers.

Zabringer. Flowers 1 1/2 to 2 inches across, rose-pink shading to white in center.

Above 5 sorts, pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2

Christmas Cheer. Plants covered with cherry-red flowers 2 inches in diameter. Pkt. 25 cts., 5 pkts. \$1, 1/2 oz. \$3.50.

Christmas Pink. The color is a beautiful shade of bright pink. Pkt. 25 cts., 5 pkts. \$1, 1/2 oz. \$3.50.

Gracilis Type

Luminosa. Brilliant dark scarlet. Pkt. 25 cts., 5 pkts. \$1.

Luminosa compacta. Scarlet flowers. 5 in. **Gracilis, Carmen.** Clear pink. Foliage dark and shining.

Above 2, each, pkt. 50 cts., 3 pkts. \$1.25

Tuberous-rooted Begonias

Grow indoors and out (during summer).

Single, Mixed. **Double, Mixed.**

Each, pkt. 75 cts., 3 pkts. \$2



Giant-flowering Daisy (Bellis)

BELLIS (English Daisy). Familiar dwarf hardy perennial with bright flowers (all double). An excellent plant for edging spring flower-beds. Stands the winter if given protection. Seed may be sown in early summer to bloom the following year. Improved giant-flowering strain.

White

Mixed

Pink

Each, pkt. 35 cts., 1/2 oz. \$1, 1/2 oz. \$1.75

BOLTONIA latissuama (False Chamomile). Perennial. Lilac-pink; 5 ft. Resembling the wild aster. Daisy-like flowers from July to September. Pkt. 25 cts., 5 pkts. \$1.

CACALIA coccinea (Tassel Flower; Flora's Paint-Brush). Annual. Red; 1 1/2 ft. Bright tassel-shaped flowers in clusters. June-Sept. Pkt. 10 cts., 1/2 oz. 50 cts., oz. \$1.50.

CALCEOLARIA (Slipperwort). Greenhouse or Bedding Plant. Pouch-like flowers.

S. & W. Co.'s Giant Strain. Grown by an English specialist. Enormous blooms and the finest obtainable. For greenhouse growing. Pkt. 50 cts., 3 pkts. \$1.25.

Albert Kent Hybrids. Flowers are 1 1/2 inches across. They are all shades of orange and yellow, many fantastically blotched. Grow them indoors or plant them out in early summer. Pkt. 50 cts., 3 pkts. \$1.35.

Multiflora nana, Mixed. These are ideal for bedding, with small flowers produced in great profusion. All shades and combinations of yellows, orange and brown. Pkt. 50 cts., 3 pkts. \$1.25.

CANARY CREEPER (*Tradescantia virginiana*). Annual Climber. A rapid-growing climbing plant, producing hundreds of its small, pretty, fringed, bright yellow flowers. Pkt. 10 cts., 1/2 oz. 25 cts., oz. 75 cts.

CARDINAL CLIMBER (Star Glory; *Ipomoea quamoclit cardinalis*). A rapid-growing, half-hardy annual climber, often reaching 30 feet. Fern-like foliage and cardinal-red flowers 1 1/2 inches across are borne in clusters. Sow seeds indoors during April or outdoors in May. Pkt. 15 cts., 1/2 oz. 50 cts., oz. \$1.50.

CATANANCHE caerulea (Cupid's Dart). Perennial. Clusters of daisy-like, chaffy everlasting blue flowers. Blooms same year if sown early. 3 ft. Pkt. 15 cts., 2 pkts. 25 cts.



COSMOS, Early Express

COSMOS, Early Express

Quick-growing strain that bears fine large flowers on long stems 45 days from sowing seed. Height 2½ feet.

Crimson Express Pink Express
White Express

Orange Flare Cosmos
(Not illustrated)

A fine orange variety. Long wiry stems bear orange-yellow flowers, ideal for cutting.

Any of above 4 varieties, each, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

COLLECTION: One pkt. each above 4 Cosmos, 50 cts.

MIGNONETTE, Allen's Defiance

Deliciously fragrant. Under favorable conditions the spikes will be 12 inches long, graceful and compact. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

MIGNONETTE, Allen's Defiance



SOME ANNUAL FLOWERS

Easy to Grow from Seed

★
They will make
your garden a perfumed
blaze of color at
low cost.

ASTER Midseason Giants

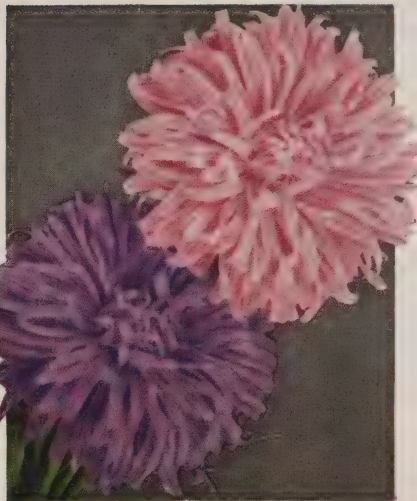
The sturdy, upright plants produce flowers often measuring 6 inches across.

*Azure-Blue	White
*Lilac	Purple
*Shell-Pink	Rich Rose

Each color, pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50.

COLLECTION: One pkt. each above 6 Asters, \$1.

*Shown at right; other colors not illustrated.



ASTER, Midseason Giants

MORNING-GLORIES

Heavenly Blue. Four-inch flowers. Early-blooming. Pkt. 20 cts., ½oz. 60 cts., oz. \$1., ¼lb. \$3.50.

Pearly Gates. (Not illustrated.) Four-inch white flowers. Pkt. 25 cts., ½oz. \$1., oz. \$1.75.

Scarlett O'Hara. (Not illustrated.) Carnelian-red trumpets 3½ inches in diameter. Pkt. 20 cts., ½oz. 60 cts., oz. \$1., ¼lb. \$3.50.

COLLECTION: One pkt. each above 3 Morning-Glories, 50 cts.

Morning-Glories are ideal for climbing fences or trellises, or hiding stumps.

BALCONY PETUNIAS

For borders, beds and rock-gardens; their spreading habit enables them to festoon themselves over window-boxes, porches and walls. Three-inch diameter flowers.

*Rose White *Crimson Purple *Blue
Each, pkt. 20 cts., ½oz. \$1., ¼oz. \$1.50

COLLECTION: One pkt. each above 5 Petunias, 75 cts.

*Shown below; other colors not illustrated.

BALCONY PETUNIAS



Six Magnificent

• MARIGOLDS •

Unequaled for abundance of Beautiful Cut-Flowers, Brilliant Garden Effect, Ease of Culture

They usually bloom until the end of October; first frosts rarely stop them.

SPECIAL COLLECTION

One pkt. each of these
SIX FINE MARIGOLDS **85 cts.**

Marigolds are sown in the open ground in May and thinned or transplanted to stand 9 to 12 in. apart.

For early flowers, sow indoors in March or April, and transfer to the garden later.



GOLDEN GLOW. Height 2½ ft.
Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50



LITTLE GIANTS, ORANGE. Height 1 ft.
Pkt. 25 cts., ¼oz. 75 cts., ½oz. \$1.25



BUTTERBALL. Height 9 in.
Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50



SCARLET GLOW. Height 1 ft.
Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50



GIGANTEA, ORANGE SUNSET. Height 3 ft.
Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50



SPRY. Height 1½ ft.
Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

Two of these won signal honors in recent All-America Trials: Butterball, Bronze Medal for 1942, and Scarlet Glow, Honorable Mention for 1941.

CALENDULA • Pot Marigold

Annuals. Yellow or orange daisy-like flowers. Sow in the open in spring, or earlier indoors and transplant. Grown under glass during winter. 2 feet.

Yellow Colossal. The largest in cultivation, with flowers $4\frac{1}{2}$ inches across, double and clear, very light, bright yellow. Blooms are borne in large numbers on compact plants. $1\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Pale Moon. Light cream or primrose, perfect, fully double 2-inch flowers; the compact plants save much greenhouse space. Ideal outdoor sort, also. 8 in. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

New Double Art Shades. A mixture of colors that hitherto have been unobtainable: pastel hues of cream, apricot, yellow, tangerine, etc. Suitable for both indoors and out. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Campfire (Sensation). The best forcing Calendula. The flat blooms are large, brilliant orange, with a scarlet sheen. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Radio. The florets are beautifully quilled and the flower is globular. In color it is a warm, deep yellow. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Chrysanth. Large, double, buttercup-yellow flowers, globe-shaped and with large, drooping chrysanthemum-like florets. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Twilight. Large, incurved blooms, measuring 4 inches across, are soft, pastel yellow, blended with white, like thick, rich cream. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Orange Shaggy. Florets overlap and flower looks like a chrysanthemum. Deep orange. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Lemon Shaggy. Companion to the above. The color is a live lemon-yellow. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Orange Fantasy. The center or crest of the flower is $\frac{3}{4}$ inch across and mahogany-bronze, while the outer portion is orange. Over all, the blooms average $3\frac{3}{4}$ inches. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Popular King Calendulas

Gold King Lemon King Orange King
Each, pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25

COLLECTION: Pkt. each, above 3, 35 cts.; $\frac{1}{4}$ oz. each of above 3, \$1

BALL'S STRAIN CALENDULAS

Ball's Orange Improved **Ball's Apricot**
Ball's Gold Improved **Ball's Supreme**
Ball's Masterpiece
Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

Cut-Flower Mixture. Special; contains all colors and all types—Chrysanth., Fantasy, Shaggy, etc. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Mixed Calendulas. All colors from near white to deep orange. They make a showy addition to the annual border. Pkt. 10 cts., $\frac{1}{4}$ oz. 15 cts., oz. 50 cts.

Your attention is respectfully directed to *Perfumes of Old-World Gardens* offered on page 84.

CAMPANULA • Bellflower

Canterbury Bells

Campanula Medium

Biennial. One-inch-wide bells on long spikes. Seed should be sown from June to September; when strong enough, transplant 9 inches apart; after frost has set in, protect with leaves and straw. They flower the following June, after which they die.

SINGLE

White	Rose	Light Blue
Dark Blue		Mixed
Each, pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50		

DOUBLE

White	Rose	Light Blue
Dark Blue		Mixed
Each, pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50		

Annual Canterbury Bells

If seeds are sown in gentle heat during February and March, and the seedlings planted out in the garden, the plants will bloom in September.

Wedding Bell. A new variety. Pure white.

Liberty Bell. Violet-blue.

Blue Bell. Beautiful Cambridge-blue.

Angelus Bell. Rose-pink.

Mission Bell. Clear pink.

Mixed.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25
COLLECTION: Pkt. each, above 5 varieties, 35c.

Cup-and-Saucer Bells

Campanula calycanthema

Biennial. Large, single flowers. Both calyx and corolla are colored, causing the flowers to resemble a cup and saucer.

White	Rose	Light Blue
Dark Blue		Mixed

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50

Perennial Campanulas

These are among our best border plants. Some will flower the first season from seed.

Carpatica. Blue. Largely used for edging. Flowers all summer. 6 in. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1.

Carpatica alba. White form of the above. 6 in. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1.

Fragilis. Purple. A trailing plant with pale purplish blue, white-centered flowers. 6 in. Pkt. 25 cts., 5 pkts. \$1.

Persicifolia grandiflora (Peach Bells). Plant is a 3-ft. pyramid, with large bells. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Persicifolia grandiflora alba. White form of the above. 3 ft. Pkt. 20 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Persicifolia, Telham Beauty. Blue. Large flowers of delicate china-blue; within the bells is a silvery shading. 4 in. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

Telham Beauty. White. Large white flowers. 4 ft. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{4}$ oz. \$1.50.

Wedgwood. In this improved *C. persicifolia* we have larger flowers of a richer, deeper violet-blue. 4 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Pyramidalis (Chimney Bellflower). Erect pyramidal plant with beautiful blue flowers. 4 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1.

Pyramidalis, White. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1.
Rotundifolia, Olympica. An improved variety of Harebell or "Bluebells of Scotland." Light blue flowers all year; stands shade. 1 ft. Pkt. 25 cts., 5 pkts. \$1.

Annuals bloom this year. Sow outdoors in spring; or earlier indoors and transplant. Each packet has cultural notes printed thereon

CALLIOPSIS and COREOPSIS

Showy annuals and perennials. The long-stemmed flowers are mostly yellow and daisy-shaped, with a center tuft and broad ray-florets which are wide, fluted, and frequently notched on the outer margin. They are excellent for cut-bloom; gather them freely.

ANNUAL CALLIOPSIS

***Gold Crest.** Rich golden yellow, chestnut-brown center. 1 ft.

***Crimson King.** Crimson-garnet. 10 in.

***Marmorata.** Yellow and red. 2 ft.

***Tiger Star.** Rich reddish brown, striped golden yellow. 10 in.

***Nigra speciosa.** Reddish brown. 2 ft.

***Bicolor nana.** Yellow, garnet eye. 10 in.
S. & W. Co.'s Mixture. A selection of tall varieties. 2 ft.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

COLLECTION: Pkt. each 6 marked (*), 50 cts.

Golden Crown. A mixture of gold and orange types; many of the large blossoms have double florets. Excellent cut-flowers; fragrant. 2 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

PERENNIAL COREOPSIS

Grandiflora, Double Sunburst. Brilliant deep golden yellow flowers, 80 per cent of them fully double and $3\frac{1}{4}$ inches across. Excellent for cut-bloom. 2 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Lanceolata grandiflora. Golden yellow. 2 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Mayfield Giant. The plant is more vigorous than the type, with larger flowers on longer stems and the color is more intense yellow. $3\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

CANDYTUFT • Iberis

Popular fragrant plant, with bright flowers in flat clusters, for bedding or border work. Sow outdoors in April and thin to 9 inches from plant to plant. Sow also in July for fall blooming.

Giant Hyacinth-flowered. Flowers large, white, borne in big trusses well above the foliage. For cutting or the border. $1\frac{1}{4}$ ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

The Gem. A miniature form of the above. Trusses of large white flowers are pushed above the plant, which is only 4 inches high. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Mammoth-flowered Candytuft

Large-flowered but uniformly dwarf type, suitable for edging, bedding, and for growth in the annual border. 10 in.

Carmine	Lavender
Rose-Cardinal	Crimson
White	Flesh-Pink

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

COLLECTION: Pkt. each, above 6 colors, 50c.

Perennial Candytuft

Both these are evergreen and 1 ft. high.

Gibraltarica. White, shaded pink and light purple. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Sempervirens. Pure white flowers. Pkt. 35 cts., 3 pkts. \$1, 6 pkts. \$1.75.

CARNATIONS

Annual Varieties

GIANT DOUBLE KING. Sow outdoors in spring, or earlier indoors. Plant out the seedlings 6 inches apart, and from mid-summer until frost you have Carnations that are full, sweetly perfumed and medium large. Remove side-buds and allow one flower to a stem.

Maroon King White King
Rose King Yellow King
Pink King Red King

Mixed, All Colors

Each, pkt. 15 cts., 1/2oz. 60 cts., 1/4oz. \$1

COLLECTION: Pkt. each, above 6 colors, 75c.

ENFANT DE NICE. Of upright habit, with flowers 2 1/2 inches in diameter on long stems. This is, so far, the last word in annual Carnations. Colors come about 75% true from seed, and the plants are about 90% double.

Red Salmon White
Rose Striped Mixed

Each, pkt. 50 cts., 3 pkts. \$1.25

Perennial Varieties

Dwarf Grenadin. An early type of Carnation with large flowers. If sown early, they bloom the first year. 14 inches.

White Rose Queen
Scarlet Mixed

Each, pkt. 25 cts., 1/2oz. 75 cts., 1/4oz. \$1.25

Perpetual-flowering Carnations. The finest strain of these beautiful, hardy perennials. Outside they flower the entire summer, under glass they bloom all year. A mixture of large flowers in exquisite colorings. A creation of famed English specialists. Originators' pkt. 75 cts.

Perpetual Border Carnations. These combine the hardiness, shape, and beauty of the Border Carnation with the continued flowering of the Perpetual Carnation. Ideal hardy perennials, blooming all summer. Mixed colors. An English creation. Originators' pkt. 75 cts.

Hardy Cottage. Crossing the older herbaceous garden Carnations with modern types has produced hardy plants that need no staking. The large, double, fragrant flowers, in all colors, bloom all summer. A creation of famed English specialists. Originators' pkt. 75 cts.
See also *Dianthus*



Celosia plumosa

CASTOR-BEAN

Palma Christi; Ricinus

Annual. Tall, stately growing, tender plants of tropical appearance. Oil is expressed from the curious beetle-like seeds.

Borboniensis arboreus. Green foliage. 15 ft.

Communis. Green foliage. 6 ft.
Sanguineus. Tricolor, red spotted. 10 ft.
Zanzibarensis. Green leaves; white veins.

Each, pkt. 10 cts., oz. 25 cts.

Mixed. Pkt. 10 cts., oz. 25 cts., 1/2lb. 75 cts.

Non-Germinating Castor Beans. For rodent control and oil-extraction. Lb. \$1.

CELOSIA

Celosia cristata (Cockscomb)

Brilliant annuals with flowers in tight clusters. Grand bed and border plants, and suitable for pots. Seed is sown indoors in early spring and planted out in May, or may be sown outdoors in May. 1 to 2 ft.

Empress. Rich crimson.

Glasgow Prize. Dark crimson.

Golden Yellow. Rose.

Each, pkt. 15 cts., 1/2oz. \$1

Dwarf Mixed. Pkt. 10 cts., 1/2oz. 75 cts.

Royal Velvet. Produces a large center crimson flower, surrounded by smaller clusters on basal branches. 2 ft.

Miracle. Mixed. Enormous flowers. Brilliant reds, from dark crimson to scarlet; salmon, bronze, gold through purple to pink and white. 2 1/2 ft.

Above two, pkt. 25 cts., 1/2oz. \$1, 1/4oz. \$1.50

Celosia plumosa Feathered Cockscomb

Fine for large beds or groups. The flowers are plume-like; they can be dried for winter bouquets. Following are 2 feet high.

Crimson Yellow Mixed

Each, pkt. 10 cts., 1/2oz. 50 cts.

Plumosa Superba. Great fluffy ostrich-like plumes in the most brilliant and varied colors. Giant type. 3 ft. Pkt. 25 cts., 1/2oz. \$1, 1/4oz. \$1.50.

Plumosa, Heatherdell. Wonderful colors and a compact growth are the outstanding features of this *Celosia*. Specially suitable for greenhouse culture. 1 1/2 ft.

Golden Feather. Yellow.

Fiery Feather. Red and pink shades.

Each, pkt. 25 cts., 1/2oz. \$1, 1/4oz. \$1.50

Thompsoni magnifica. Improved Strain of Feathered Cockscomb. Of pyramidal growth, and producing graceful, feathery plumes of the most magnificent shades. Mixed. 2 1/2 ft. Pkt. 10 cts., 1/2oz. 75 cts.

Celosia Childsi (Chinese Woolflower)

Unique form of the Feathered Cockscomb. Each branch ends in a large head of flowers that seem to be made of silk or wool. Very effective for beds, borders, or cut-flowers.

Crimson. Very rich color.

Pink Yellow Fine Mixed

Each, pkt. 10 cts., 1/2oz. 50 cts., oz. \$1.50

Celosia pyramidalis

Pride of Castle Gould. Distinct and surpassing anything hitherto offered. The compact, pyramidal plants produce immense feathered heads of all colors. Blood-Red, Wine-Red, Scarlet, Carmine, Salmon, Orange, and Gold. Mixed Shades. 2 to 3 ft. Pkt. 25 cts., 1/2oz. \$1, 1/4oz. \$1.50.

CENTAUREAS

Popular annuals and perennials which will grow anywhere and are excellent cut-flowers.

Double Cornflowers

Centaurea Cyamus

Blue Bottle; Bachelor's Button; Blue; Ragged Sailor

Seed may be sown outdoors in April, and several sowings will give a succession of bloom. Thin plants to stand 8 inches apart. These are improved varieties. Annual. 3 ft.

Blue Boy. Maroon. **Snow Man.** White.
Black Boy. Maroon. **Red Boy.** Deep red.
Pinkie. Rose. **Mixed.**
Mauve Queen.

Each, pkt. 10 cts., 1/2oz. 25 cts., oz. 75 cts.

COLLECTION No. 27a: Pkt. each, above 8 colors, 50 cts.

Jubilee Gem. Annual. Double flowers of true cornflower-blue literally cover the plant. Of the easiest garden culture; suitable also for flowering in the greenhouse. 1 ft. Pkt. 15 cts., 1/2oz. 50 cts., oz. \$1.50.

Giant Sweet Sultans

Centaurea imperialis

Annuals. Valuable for cutting purposes. Beautiful, sweet-scented fluffly flowers are borne on long, strong stems. Sow for succession from May until July. 2 1/2 ft.

White **Purple**
Pink **Lilac** **Red** **Yellow**

Mixed. A select mixture of above colors.

Each, pkt. 15 cts., 1/2oz. 50 cts.

COLLECTION: Pkt. each, above 6 colors, 75c.

Lavender Beauty. Light lavender; 1 1/2 to 2 ft. A new *Imperialis* variety with flowers 3 to 3 1/2 inches across. An excellent border and cut-flower annual. Pkt. 15 cts., 1/2oz. 50 cts., oz. \$1.50.

Various Centaureas

Americana. Annual. Flowers 4 inches across and of a deep lavender color. Excellent for garden decoration or cutting. 4 ft. Pkt. 15 cts., 1/2oz. 50 cts., oz. \$1.50.

Americana alba. Annual. White form of the above. Pkt. 15 cts., 1/2oz. 60 cts., oz. \$2.

Dealbata. Perennial. Center of flower is red, margins pink or white. 1 1/2 ft. Pkt. 25 cts., 5 pkts. \$1.

Macrocephala. Perennial. Large, thistle-like, golden flowers, useful for cutting and fine for the hardy border. July, Aug. 3 ft. Pkt. 15 cts., 1/2oz. 75 cts.

Montana (Mountain Bluet). Perennial. Large violet flowers. July-Sept. 2 ft. Pkt. 10 cts., 1/2oz. 30 cts., oz. \$1.

Montana alba. Perennial. Similar to the above except in color, which is a pure white. Pkt. 15 cts., 1/2oz. 75 cts., oz. \$2.50.

Dusty Millers (*Centaurea*)

Perennials, treated as annuals. Foliage plants for edging. The glistening white-green leaves, when contrasted with the bright color of coleus, salvia or canna, are very striking.

Candidissima. Foliage lanced and silver coated. Pkt. 15 cts., 1/2oz. 75 cts., oz. \$2.50.

Gymnocarpa. Fern-like leaves, and taller. Pkt. 10 cts., 1/2oz. 30 cts., oz. \$1.

CHRYSANTHEMUMS

Annuals

Mostly single, daisy-like flowers with a colored ring at the base of the florets and a purple center. Good for flower-beds, and excellent for cutting, they average around 2 ft. in height and bloom from July to October.

Eldorado. Large, single, deep yellow flowers with a ring of reddish brown.

Burrigeum (Beaconsfield). White petals, zone of rich brownish red and yellow.

Chameleon. The colors vary, but generally are brown and yellow.

Eastern Star. Clear yellow petals with dark disc.

Evening Star. Yellow petals, dark disc.

Morning Star. Petals canary-yellow, with a halo of deeper yellow, disc darker.

Northern Star. Flowers 3 inches in diameter; white, with yellow-brown center.

The Sultan. Rich wallflower-red with a narrow yellow zone around the brown disc.

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

COLLECTION: Pkt. each, above 8 colors, 60 cts.

Golden Crown. Fine deep yellow fully double flowers. Ideal for cut-bloom, 3 to 4 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

White Queen. White. Double flowers. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Mixed Annual Chrysanthemums

Single Double
Each, pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

Perennial Chrysanthemums

Mawi. Pink flowers 2 inches across with silvery foliage. Ideal for the hardy border or rockery. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Korean Chrysanthemums. Mixed colors; 2 ft. Single brilliant flowers; many are large. Pkt. 50 cts., 3 pkts. \$1.25.

September Jewels. Earliest Chrysanthemum to bloom and readily grown from seed. Sown early, blooms appear in September of the same year, daisy-like and 2 to 3 inches across. Colors include yellows, pinks, lilacs, bronzes, reds and others. 1 1/2 ft. Raiser's original pkt. 60 cts.

White Shasta Daisies

Mrs. C. Lothian Bell. With high cultivation it is possible to have flowers 6 inches across. A month later than the following variety, Alaska; the two sorts may be planted for a succession of bloom. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Alaska. Popular variety with flowers frequently 5 inches across; white, with broad, overlapping petals. Pkt. 15 cts., 1/4oz. 50c.

Dwarf Avalanche. A low-growing white Daisy for the front of the hardy border. Pkt. 25 cts., 1/4oz. \$1.

Giant Double. An assortment of doubles, semi-doubles, and a type which, though single, forms curiously shaped flowers, with laciniated, curled, and quilled white florets. Pkt. 50 cts., 3 pkts. \$1.25.

CHEIRANTHUS. Perennial, blooming first year.

Allioni (Siberian Wallflower). For the rock-garden or border. Orange flowers are produced in spring and summer. May be sown in a hotbed in March and transplanted outdoors in May; or in the open ground in September, where required to flower the following spring. 1 1/2 ft. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Allioni, Golden Bedder. Deep yellow flowers larger than the type. 1 1/2 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

CINERARIA

Greenhouse Annual. Daisy-like blooms in most brilliant colors are produced in clusters in great profusion. Sow May-Sept., and endeavor to secure as sturdy a growth as possible. Transfer direct from seed-pans to thumb-pots; place in coldframe facing north. As pots become full of roots, shift to larger ones until flowering size is reached.

Cremer's Prize Strain. Flowers are large and color-range exceptionally fine. The florets are wide, and they overlap well to form attractive heads. Smaller leaves than those of the old type. Exceptionally resistant to wilt. Pkt. \$1.50, 3 pkts. \$4.

California Super-Giants

Prize Cinerarias, grown for us by a famous specialist. Produce numerous individual flowers exceeding 5 inches in diameter, with florets 1 to 1 1/4 in. wide, on large trusses.

Blue Shades. **Salmon Shades.**

Crimson and Carmine Shades. Especially brilliant under artificial light.

Mixed. All the above in pleasing proportion.

S. & W. Co.'s Stellata. Has delicate, star-like blooms in great profusion on long stems.

Tall, Mixed.

Dwarf Mixed.

Above Cinerarias, pkt. 50 cts., 3 pkts. \$1.25

Multiflora nana, Potsdam. An extra-choice, dwarf-growing strain with the plants completely covered with brightly colored flowers. Mixed colors. Pkt. 50 cts., 3 pkts. \$1.25.

CLARKIA

Annual plants of simple culture with showy flowers in leafy spikes. For the border or flower-bed, but they must have plenty of sun; a useful greenhouse plant also. 1 1/2 ft.

Albatross. The flowers are pure white, very double, and appear in July. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Glorious. Dark foliage capped by brilliant cherry-scarlet blossoms. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

May Blossom. Pure glowing rose, deepening to pink. Enormous blossoms. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Double Sorts

Salmon Queen. **Scarlet King.**
Brilliant King. **Crimson.** **White King.**
Purple King.

Each, pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50

Mixed. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

CERASTIUM tomentosum (Snow-in-Summer). Perennial. White; 9 in. Dwarf, creeping white-leaved edging plant. Small flowers. Pkt. 15 cts., 1/4oz. \$1, oz. \$3.

CLEOME - Spider Flower

Annual

Pink Queen. The bush-like plants are excellent for the middle distance of a mixed border or to line a driveway. Light, airy flowers are a pleasing salmon-pink color changing to white as they mature. 3 to 4 ft. Pkt. 15 cts., 1/4oz. 40 cts., 1/2oz. 75 cts.

Golden. A new yellow-blooming type. 3 to 4 ft. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$1.50.



Chrysanthemum, Golden Crown

CHELONE barbata (Turtlehead). Perennial. Decorative plant for the hardy border; the long panicles which bear the small two-lipped red tubular florets are good for cutting. 3 ft. Pkt. 15 cts., 1/4oz. 75 cts.

COBÆA (Cup-and-Saucer Vine). Annual Climber. A rapid grower, attaining a height of 30 to 50 feet during the season. Start the seed indoors in March or outdoors in May.

Scandens. Large bell-shaped purple flowers. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

Scandens alba. White flowers. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

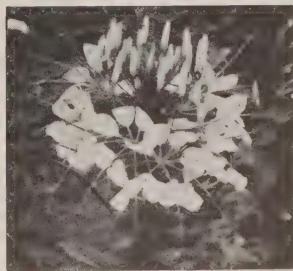
COLEUS, Rainbow Hybrids. *Conservatory or bedding foliage plant.* Leaves of all colors; in mixture. Pkt. 50 cts., 3 pkts. \$1.25.

COLLINSIA, Salmon Beauty. Annual. Bright, cheerful, bell-shaped blossoms. Sow in the open ground in early spring. Salmon; 1 ft. Good bedding plants. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

CONVOLVULUS. See *Ipomœa*.

CORAL FLOWER. *Half-hardy Annual.* Easily grown plant with fleshy leaves and clusters of star-shaped flowers. The seed-capsules which follow look like hundreds of polished coral beads. Pkt. 35 cts., 3 pkts. \$1.

CORYDALIS cheilanthalifolia. Spreading perennial with fernlike leaves and yellow flowers; 8 in. Ideal for the rock-garden. Pkt. 50 cts., 3 pkts. \$1.25.



Cleome, Pink Queen

Charming Cosmos

Annual. Cosmos is one of the most decorative of our garden flowers, and is of great value for cut-bloom. Sow about May 1, outdoors, covering the seed $\frac{1}{4}$ inch, and thin out or transplant to not less than 1½ feet apart. Sow under glass in April or May for earlier bloom.

Early Orange Flare. Orange flowers with light green foliage. The stems are long and wiry, well adapted for cutting. 3 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Yellow Klondyke. Lighter in color and a fitting companion to Early Orange Flare. The butter-yellow of the flowers and their exceptionally long stems, make them highly valuable. Blooms are $\frac{1}{4}$ inches across. 3 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Orange Ruffles. Large, golden, semi-double blooms have extra rows of florets. Earlier than, and not quite so tall as Orange Flare. 2½ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Early Express Type

A modern quick-growing strain that reaches a height of about 2½ feet and bears fine large flowers on long stems within 45 days of sowing seed.

Crimson Express **Pink Express**
White Express **Mixed Express**

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

COLLECTION 4C: Pkt. each, above 3 colors, with Early Orange Flare, 50 cts.

Sensation Type

A new, early, large Cosmos. Its mammoth flowers are 4 to 5 inches across, with wide, fluted florets. Height, 4 feet; it flowers in 10 weeks from seed.

Pinkie (Pink) **Purity (White)**
Crimson Sensation

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

ALL-AMERICA HON. MENTION

Dazzler. The giant flowers are 4 or more inches across; because Dazzler is a member of the Sensation group, they appear early, when the plants are but 30 inches high, but continue as an ultimate 5 to 6 feet is attained by autumn. Somewhat taller than others in the group, but equally quick to bloom. The color is a rich deep amaranth-crimson. Won a high place in the All-America Seed Trials for 1943. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Sensation, Single, Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

DOUBLE SENSATION. Surprisingly quick to bloom. The flowers are 4½ inches across, appearing in about ten weeks.

Pink Lady. Two double forms occur in this: one fluted and medium pink; the other crested, somewhat lighter.

White Cloud. Beautiful, soft, velvety white.

Above 2 varieties, pkt. 50 cts., 3 pkts. \$1.25

Sensation, Double, Mixed. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{4}$ oz. \$1.50, $\frac{1}{2}$ oz. \$2.50.

Late Double Tall Type

This strain has been greatly improved in size of flower and general vigor.

Pink White **Crimson** **Mixed**

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50

COLLECTION: Pkt. each, above 3 colors, 30c.



Cosmos, Crested

Early Dwarf Crested Cosmos

The Extra-early Double strain of Cosmos has been very much improved in this crested type. Flowers are large, and they come into bloom as quickly as the Early Single sorts.

Pink Beauty **Crimson Beauty**
White Beauty **Mixed Beauty**

Each, pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50

COLLECTION: Pkt. each of the above 3 colors, 60c.

Late Single Tall Cosmos

This type of Cosmos, which has mammoth flowers, blooms late in the summer

Pink White **Crimson** **Mixed**

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

COLLECTION: Pkt. each of the above 3 colors, 25c.

LADY LENOX COSMOS.

Lady Lenox. 3 ft. Giant flowers of beautiful deep rosy pink.

Lady Lenox, White. Pure white form.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1

CUPHEA, Firefly (Cigar Plant). Treat as an Annual. Pretty half-hardy subject for beds, baskets and window-boxes. Plants are covered with small tubular flowers that are cerise-red; each has a darker band near its end and an ash-white tip. They appear twelve weeks after seedling. 1 ft. Pkt. 15 cts. $\frac{1}{4}$ oz. 50 cts., $\frac{1}{2}$ oz. 75 cts.

CYCLAMEN (Giant-flowering)

Greenhouse plants. The following varieties were developed and grown by one of the greatest European specialists. Seed is usually sown in the autumn.

Bright Red **Pure Rose** **Pure White**
Salmon-Scarlet (America Improved).

New Salmon-Rose Improved.

Salmon color, dark (Glory of Wandsbek).

Salmon color, light (Rose of Zehlendorf).

Lavender.

New Ruffled, Mixed.

Pink Pearl. Salmon-pink.

Pkt. of 10 seeds 75 cts., 50 seeds \$3.50, 100 seeds \$6

Mixed. All varieties. Pkt. of 10 seeds 50 cts., 50 seeds \$2, 100 seeds \$3.50.

DAHLIAS FROM SEED

Tender Perennial; treat as an Annual. Ideal for cut-bloom and the dwarfier types make striking flower-beds. Sow in March indoors and plant out, or sow outdoors in May.

Dwarf Types

Miniature Types. This mixture is comprised of meritorious varieties that are dwarf. Wonderful colors. 1½ to 3 ft. Pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{4}$ oz. \$2, $\frac{1}{2}$ oz. \$3.50.

Dwarf Bedding, Mixed. Bloom in less than four months from seed. Charming color-range, no two plants being exactly alike; flowers are double and semi-double. 2 ft. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50, oz. \$5.

Coltness Hybrids. Neat compact plants with single flowers. 1½ ft.

Scarlet **White** **Yellow**

Each, pkt. 25 cts., $\frac{1}{4}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1

Starfish (Orchid-flowered). The florets of this single Dahlia are crimped and twisted, giving a star-like effect, and its long stems make it excellent for cutting. All colors are represented in these hybrids, and generally two shades are to be seen in the one flower. 2 ft. Pkt. 35 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Tall Dahlias

Interesting results will be obtained; occasionally a hybrid of value will turn up. But to be certain of definite shapes and colors it is necessary to plant roots of named varieties. These are offered and the blooms shown on pages 66 to 68.

Cactus, Mixed. Saved from a choice collection. Pkt. \$1, 3 pkts. \$2.50.

Double-flowering Exhibition Strain, Mixed. Saved from good Show sorts. Pkt. 50 cts., $\frac{1}{4}$ oz. \$1.25, oz. \$4.

Giant Exhibition Type. Specially choice. This mixture is made up solely from named Exhibition Dahlias of the largest and best varieties. It is possible to secure some really good things from this seed. 50 seeds \$2, 100 seeds \$3.50, 1000 seeds \$30.

CYNOGLOSSUM amabile (Chinese Forget-me-not; Hound's-Tongue). Annual. Highly perfumed plant with myosotis-like flowers, $\frac{1}{4}$ inch long. Of easy culture, suitable for bedding and cut-flowers. 20 in.

Firmament. New free-flowering type. Covered all summer with large bright indigo-blue blooms. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Pink. A beautiful strain. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

CYPRESS VINE (Ipomaea Quamoclit). Annual Climber. Covers a fence or tree stump with delicate fern-like foliage and masses of star-shaped flowers $\frac{1}{4}$ inches long. Sow outdoors in May. 15 ft. Mixed. (Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.)

DAHLBERG DAISY (Thymophylla tenuiloba). Annual. Yellow daisy flowers with dark centers. Thrives in dry soil. Mat-like plants for edging and window-boxes. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.

DATURA cornucopia (Trumpet Flower). Annual. The delightfully fragrant flowers average 8 inches long by 5 inches across; they are French white inside and purple outside. Ideal for the white garden. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Stately Delphiniums

Mostly exceeding 6 feet, these striking perennials are necessary for every hardy border, with their magnificent spikes of flowers in July and August. By cutting off the stems and leaves after blooming, they may be induced to yield a second crop of flowers in the autumn. In sections where mildew is serious, many growers treat Delphinium as an annual by sowing seed under glass in midwinter, planting out in spring.

GOLD MEDAL HYBRIDS

Immense spikes in a variety of colors. **Delft Blue Shades.** True mid-blues, including Cambridge-blue.

Royal Art Tints. A mixture of lavenders, mauves, and blue-grays.

Salon Blue Shades. Rich dark blue shades. **Wave Crest Blue Shades.** Delicate and charming mixture of pale and light blues.

Each, pkt. 50 cts., 1/4oz. \$1.50, 1/4oz. \$2.50
COLLECTION: Pkt. each, above 4 shades, \$1.50

GOLD MEDAL HYBRIDS, Mixed. This Mixture includes all the best colors. Pkt. 25 cts., 1/4oz. \$1, 1/4oz. \$1.50.

The Mildew-Resistant Giant Pacific Hybrid Delphiniums

Larger, finer, and resistant to mildew (except white). The 2-inch florets on large spikes make them excellent for exhibition.

Black Knight Series. Very dark blues.

Cameliard Series. Lavender selfs.

Galahad Series. White.

Above 3, each, pkt. \$1.50, 3 pkts. \$4

Blue Jay. Blue, gray overtone; dark bee.

Clear White. Glistening white.

Guinevere Series. Pink-lavender; white bee or center.

King Arthur. Royal violet; white bee.

Lancelot Series. Lilac; white bee or center.

Summer Skies. Light blue; white bee.

Round Table Series. Noble mixture.

Above 7, each, pkt. \$1, 3 pkts. \$2.50

Lavender Shades	Light Violet Shades
Lavender Pastel Shades	Dark Violet Shades

Above 4, each, pkt. 75 cts., 3 pkts. \$2
Light Blue Shades Medium Blue Shades
Dark Blue Shades Mixture of Blues

Above 4, each, pkt. 50 cts., 3 pkts. \$1.25

English Hybrids, Mixed

Giant-flowering Type. Mixture of sorts like Queen of Spangles, A. J. Moir, Miranda, Edmund Spencer, Sky Blue Knights, Daybreak, Wrexham Glory, etc. Pkt. (about 200 seeds) 50 cts., 3 pkts. \$1.25.

Wrexham or Hollyhock Type. This mixture contains the following varieties: D. B. Crane, Blue Beauty, Lady Dorothy, Wild Wales, Tessa, Star of Langport, Blue Gown, etc. Pkt. (about 200 seeds) 50 cts., 3 pkts. \$1.25.

Some Other Fine Varieties

New Hollyhock Strain. A fine mixture of all light shades, pale clear blue predominating. Large flowers, truly double, are well placed on long, pyramidal spikes. 6 ft. Pkt. 35 cts., 1/4oz. \$1.50, 1/4oz. \$2.50.

Bellaadonna. This is the Everblooming Hardy Larkspur. Clear turquoise-blue flowers, unequalled for beauty. 5 ft. Pkt. 15 cts., 1/4oz. 60 cts., 1/4oz. \$1.

Clivedon Beauty (Improved Bellaadonna). Bright blue. Larger flowers and a stronger plant are the advantages of this strain. 5 ft. Pkt. 25 cts., 1/4oz. \$1, 1/4oz. \$1.50.

Bellamosa. Blue; 5 ft. Similar to the above except in color which is a darker blue. Pkt. 15 cts., 1/4oz. 60 cts., 1/4oz. \$1.

Cardinal. Beautiful cardinal-red. 2 1/2 ft. Pkt. 25 cts., 1/4oz. \$1, 1/4oz. \$1.50.

Chinense, Blue Butterfly. Fine feathery foliage, and many spikes of large blossoms of intense gentian-blue. 1 1/2 ft. Pkt. 15 cts., 1/4oz. 50 cts., 1/4oz. \$1.50.

Chinense, Cambridge Blue. Clear, rich light blue. Excellent for mass planting or for cut-bloom. 2 1/2 ft. Pkt. 25 cts., 1/4oz. 60 cts., 1/4oz. \$1.

Chinense album. White form. 3 ft. Pkt. 15 cts., 1/4oz. 50 cts., 1/4oz. \$1.50.



Delphinium, Gold Medal Hybrids

Hardy Garden Pinks

Many of these are introductions by Allwood Bros. of England, famed specialists.

New Blue. The only blue Dianthus extant. Lavender-blue, bright and pleasing. The individual flowers are borne on 9-inch trusses from July to frost. Pkt. 50 cts.

Allwoodi Alpinus. Ideal for the rock-garden, blooming continuously; beautiful color mixture. Fragrant. 5 in. Pkt. 35 cts., 3 pkts. \$1, 1/4oz. \$1.50.

Delight. Blooms June to October, producing flowers half an inch across. Colors range from pale pink to deepest purple including rich red. 9 in. Pkt. 50 cts.

Loveliness. Two-inch, perfumed, mauve, laced flowers. Sweetest flower grown. Blooms in seven months. Pkt. 50 cts.

Rainbow Loveliness. This mixture has flowers in various delicate tones other than mauve, including pink, red, lilac, cream and white. Allwoods' sealed pkt. 50 cts.

Highland Hybrids, Mixed. Ideal for rock-gardens. Practically perpetual flowering and the colors are very varied. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$1.50.

Sweet Wivelsfield. Ordinarily sown in July to flower the following summer; but if sown indoors during February, will bloom the same year. Fringed, sweet-william-like flowers from July to frost. Mixed.

Single. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.
Double. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Little Jock. A mixture of pink, rose, and white shades, mostly with a deep zone. Suitable for the rock-garden or as an edging. 6 to 8 in. Pkt. 50 cts., 3 pkts. \$1.25.

Allwoodi. Combines the Carnation with the delicious clove scent of the Pink.

Single Mixed. Pkt. 50 cts., 3 pkts. \$1.25.
Double Mixed. Allwoods' sealed pkt. 50c.

Deltoides (Maiden Pink; Spink). Rosy purple flowers. Ideal for the rock-garden. 6 in. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Knappi (Yellow Dianthus). Yellow blossoms in bunches; not fragrant. 20 in. Pkt. 50 cts., 3 pkts. \$1.25.

Plumarius, Double Mixed (Grass Pink). Fringed, fragrant flowers of white, crimson, or purple shades, spotted and variegated. 1 ft. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Plumarius, Single Mixed. Large, fragrant, fringed flowers. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Rock-Garden Rare Species, Mixed. A selection of low-growing types, suitable for the rock- or wall-garden. Pkt. 25 cts., 1/4oz. 60 cts., 1/4oz. \$1.

Jewel-Like Dianthus · Pinks

Seed of annual varieties is sown in spring, and flowers follow in a few weeks' time, continuing until frost. Mostly around 1 foot high, all are splendid for beds, borders and cutting. Hardy sorts are sown in spring or summer; most will bloom the same season. Many Dianthus are delightfully fragrant.

Double Annual Pinks

Chinensis (China Pink). Double flowers in a mixture of colors. Pkt. 10c., 1/4oz. 25c.

Diadematus (Diadem Pink). Various tints of lilac, crimson, purple; outer edges fringed. Pkt. 10 cts., 1/4oz. 30 cts.

Fireball. Extra double; brilliant dark scarlet. Very beautiful. Pkt. 15 cts., 1/4oz. 50 cts.

Heddegi fl.-pl. (Double Oriental Pink). Varies from richest crimson to delicate rose. Pkt. 10 cts., 1/4oz. 30 cts.

Laciniatus fl.-pl. (Double Fringed Pink). Great variety of colors; edges fringed. Large. Pkt. 15 cts., 1/4oz. 50 cts.

Lucifer. Dazzling scarlet 2-inch fringed flowers. Pkt. 15 cts., 1/4oz. 50 cts.

Salmon King. Brilliant salmon-rose. Pkt. 15 cts., 1/4oz. 75 cts.

Snowball. Large, double, white flowers. 1 ft. Pkt. 15 cts., 1/4oz. 50 cts.

Violet Queen. Rich violet—rather unusual shade. Pkt. 15 cts., 1/4oz. 50 cts.

COLLECTION: Pkt. each, 10 choice Dianthus, 5 named Double and 5 Single sorts, \$1

Single Annual Pinks

Crimson Belle. Rich crimson. 1 ft. Pkt. 10 cts., 1/4oz. 25 cts.

Eastern Queen. Delicately marbled rose and mauve flowers. Pkt. 10 cts., 1/4oz. 25c.

Heddegi punctatus (Princess Pink). Chintz-like flowers in mixed colors. Pkt. 10 cts., 1/4oz. 35 cts.

Laciniatus (Single Fringed Pink). A great variety of colors. Pkt. 10 cts., 1/4oz. 25 cts.

Laciniatus splendens. Fringed crimson flowers, each with a large white eye. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Laciniatus, Gaity. Large, fringed. Wide range of lovely colors. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Salmon Queen. Fringed flowers of brilliant salmon. Pkt. 10 cts., 1/4oz. 35 cts.

Vesuvius. Orange-scarlet flowers. Striking in beds or borders. Pkt. 10c., 1/4oz. 30c.

Mixed. Annual Sorts. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

The stately candelabra of the Delphinium look wonderful when massed at the back of your perennial border

DIMORPHOTHECA

Cape Marigold, African Daisy

Bright annuals with daisy-like flowers which look especially well in flower-beds in full sun. 1 ft.

Double Hybrids, Mixed. A new strain producing about 65 per cent double flowers, with some semi-double and single ones. They vary in color from a deep salmon-orange to white, with many lemon and tan hues. The plant grows about 8 inches tall and is very bushy and spreading, while the individual flowers average 1½ inches across, with a 1-inch crested center; they appear early in spring and continue until frost. Pkt. 50 cts., 3 pkts. \$1.25.

Aurantica Hybrids. Flowers large, varying from white through yellow and orange to salmon, many being zoned with several of these colors around the black disc. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Aurantica. Bright golden orange flowers Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Orange Glory. Bright orange flowers 2½ inches across. Prostrate plants are more compact than the type. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

Ringsens, Single. Grayish white flowers with a blue center. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

Salmon Beauty. Large flowers of a pleasing true salmon shade. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Spectabilis. This new type has single flowers 2 inches across and deep pink in color with a black center. A novel cut-flower and bedding plant. Height 14 inches. Pkt. 25 cts., ¼oz. 60 cts., ½oz. \$1.

White Beauty. A white form of the above, Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

DICENTRA eximia (Fringed Bleeding-Heart). A dwarf plant with finely cut fern-like leaves and racemes of rose-pink flowers. 1 ft. Pkt. 25 cts., 5 pkts. \$1.

DICTAMNUS Fraxinella rubra (Dittany; Burning-Bush; Gas-Plant). Perennial. Beautiful plant for the hardy border, with a lemon perfume and pink flowers on terminal racemes which are excellent for cutting. Gas exuded from the plant will ignite for the moment if a light be held near the top during a still evening. Like *Primula obconica*, this plant irritates the skin of persons allergic to it. Use gloves. Pkt. 15 cts., 2 pkts. 25 cts.

DIDISCUS cærulea (Queen Anne's Lace). Upright annual about 2 feet high. Each branch ends in an umbrella-shaped head of sky-blue flowers. Easily grown and a splendid cut-flower. Sow in May; water freely when dry. Pkt. 15 cts., ½oz. 50 cts.

DIGITALIS (Foxglove). Tall perennials with long racemes of tubular flowers. Ideal for naturalizing, amid shrubbery, along the edges of woods, etc. They grow well under all conditions, including partial shade, flowering in June and July.

Giant Shirley, Mixed. Huge spikes of bloom ranging from the purest white to dark rose. 6 ft.

Gloxiniaeflora. Improved; handsome, spotted gloxinia-like flowers. 4 ft.

Alba. White. **Purpurea.** Purple. **Rosea.** Rose. **Lutea.** Yellow.

Mixed. All Digitalis, each, pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

DORONICUM caucasicum (Leopard's-Bane). Useful perennial for the hardy border and valuable for cut-bloom. Handsome, yellow, daisy-like flowers sometimes 3 inches across. 2 ft. Pkt. 35 cts.



Eschscholtzia

DOLICHOS (Hyacinth Bean; Lablab). Annual. Rapid-growing climber. Sow outdoors where they are to remain.

Daylight. White. Covered with spikes of pea-shaped blossoms from July until late fall. Pkt. 10 cts., oz. 30 cts.

Darkness. Purple. Identical with the above, except in color. Pkt. 10 cts., oz. 30c.

Mixed. Above two, pkt. 10 cts., oz. 30 cts.

DRACÆNA (Cordylina). Tree-like, graceful, lance-leaved plants for greenhouse and conservatory decoration and for bedding.

Indivisa. Long, slender leaves.

Australis. Shorter leaves.

Each, pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

ECHINOCYSTIS lobata (Wild Cucumber Vine). Annual climber. Bright green foliage with sprays of white flowers in July and August. Pkt. 10 cts., oz. 35 cts.

ECHINOPS Ritro (Globe Thistle). Perennial. Striking plants with handsome, silvery, thistle-like foliage and fine steel-blue flowers in round heads. 3 to 5 ft. Pkt. 10 cts., ¼oz. 50 cts.

ECHIU (Tower of Jewels). Little bushes, 15 inches high, have flower-stems with individual florets, from June to August. Effective bedding plants and good for bees. Sow in the open ground in spring, or earlier indoors and transplant 9 inches apart.

Blue Bedder. Roseum. Pink. Each, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

ERIGERON (Midsummer Daisy; Fleabane). Perennial. Valuable border plant somewhat suggestive of the Michaelmas daisy.

Double Azure Beauty. Literally covered with double and semi-double sky-blue flowers. Fine for cutting. 2½ ft. Pkt. 50 cts., 3 pkts. \$1.25.

Speciosus. Clear mauve; daisy-like flowers, with bright golden yellow centers. 1½ ft. Pkt. 25 cts., ½oz. \$1.25, ¼oz. \$2.

ERINUS alpinus. Dainty little rock-garden plants, growing in the crevices of stone walls, etc., and blooming in early spring. Pale purple. 6 in. Pkt. 50 cts., 3 pkts. \$1.25.

ERYNGIUM amethystinum (Sea-Holly). Perennial. Ornamental plants with finely cut, spiny foliage and beautiful, thistle-like heads of amethystine blue flowers. Fine for winter bouquets. 2 to 3 ft. Pkt. 15 cts., ¼oz. \$1.

Planum. Perennial. Steel-blue flowers. 2 ft. Pkt. 10 cts., ¼oz. 30 cts.

ESCHSCHOLTZIA

California Poppy. Brilliant, easily grown annuals; ideal for flower-beds in full sun. Sow where you intend them to flower, and thin to 12 inches apart—don't transplant.

Golden Glory. Double orange flowers, lightening at the edges to gold. 1 ft. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Gloaming. Inside, the petals show a suffusion of deep rose and apricot on a yellow ground, while the outside is deep coral-rose. Pkt. 25 cts., 5 pkts. \$1, ½oz. \$1.50.

Ramona Hybrids, Mixed. Ruffled flowers in a wide variety of colors. 1 ft. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Sweetheart. Beautiful, double, fluted flowers, rose on primrose, and 2 inches across. 8 in. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

***Carmine King.** Carmine-rose. 15 in.

Fringed Yellow. Yellow, fringed petals.

***Geisha.** Golden orange inside, orange-scarlet outside. 15 in.

***Golden West.** Bright yellow, dark orange at the base of the petals.

Lovely. A lovely tone of bright rose-pink suffused with salmon.

Purple Glow. Reddish purple. The darkest shade obtained so far.

***Scarlet Beauty.** Petals deep scarlet inside, lighter on outside. 10 in.

Tango. Bronze overlaid with terra-cotta.

***Vesuvius.** Rich glistening copper red.

Choice Mixture. Covering all the colors in this pretty annual.

Each, pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25, except as noted

COLLECTION: Pkt. each of varieties marked (*), with the Tulip Poppy (*Hunnemannia*) described on page 42 (6 varieties in all), 50 cts.

EUPATORIUM (Thoroughwort; Boneset). Perennial. Well suited for naturalizing and preserving a place in every hardy border.

Purpureum. Heads of purple-blue, daisy-like flowers from August to October. 6 to 8 ft. Pkt. 50 cts., ¼oz. \$2, ½oz. \$3.50.

Cælestium. Light mauve-blue flowers. Excellent border perennial. 2½ ft. Pkt. 35 cts., 3 pkts. \$1, ¼oz. \$1.50, ½oz. \$2.50.

EUPHORBIA (Spurge; Wolf's Milk). Plants with milky sap in the stem and leaves. Flowers are negligible, but the upper leaves, or bracts, are colored instead. Curious plants, and very showy for border planting.

Variegata (Snow-on-the-Mountain). Annual. Foliage marked with white. 2 ft. Pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

Heterophylla (Annual Poinsettia). Annual. Resembles in color the beautiful hothouse poinsettia, though smaller.

Branching, bush-like plants, with smooth, glossy green leaves which turn to a beautiful orange-scarlet. 2½ ft. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Polychroma. Perennial. The yellow flower-leaves or bracts are most striking and are effective in April and May. 1 ft. Pkt. 35 cts., 3 pkts. \$1.

FELICIA Bergeriana (Kingfisher Daisy; Blue Marguerite). Annual. Leaves are grass-like, and the blue daisy flowers, with yellow centers, are ¾ inch in diameter.

Grown outdoors in summer or under glass at other times of the year. 6 in. Pkt. 25 cts., ¼oz. \$1.25.

FOUR O'CLOCK, Fine Mixed (Mirabilis; Marvel of Peru). Annual. Bushes, 2 feet high, bearing red, yellow, or white flowers. Called Four o'Clock because the blossoms open at that hour. All colors. Pkt. 10 cts., oz. 50 cts., ¼lb. \$1.50.

GAILLARDIA • Blanket Flowers

Annual Varieties

Flowers are brilliant and daisy-like, borne freely from July to November. Invaluable for beds and as cut-flowers.

- Aurea.** Rich yellow. 2 ft. Pkt. 10 cts., 1/2 oz. 50 cts., oz. \$1.50.
Indian Chief. A fine bronze-red variety. 2 ft. Pkt. 15 cts., 1/2 oz. 75 cts., oz. \$2.50.
Picta Lorenziana. Mixture of various colors. The flowers are double. 20 in. Pkt. 10 cts., 1/2 oz. 50 cts., oz. \$1.50.

Perennial Varieties

Most may be treated as annuals. If sown early, they begin flowering in July, and continue until frost. Fine for cutting.

Mrs. Harold Longster. Large golden flowers, with crimson centers. 3 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Burgundy. A new color—brilliant coppery scarlet self—and one that is of special value to the grower of cut-flowers for decoration. Pkt. 25 cts., 1/2 oz. \$1, oz. \$3.50.

The Dazzler. Flowers very large, rich dark red, with a bright orange tip on the end of each flower. Pkt. 25 cts., 1/2 oz. \$1, oz. \$3.50.

Goblin. Begins to bloom in the middle of the summer. The bright yellow flowers have a deep red zone. 15 in. Pkt. 25 cts., 1/2 oz. 60 cts., 1/2 oz. \$1.

Portola Hybrids. Enormous flowers and the color-range is fairly wide, centering around reddish bronze and gold. Pkt. 15 cts., 1/2 oz. 50 cts., oz. \$1.50.

Tangerine. Medium-sized flowers of various shades of tangerine-orange. Both color and structure of the flower make it useful for modern decorations. Pkt. 25 cts., 1/2 oz. \$1, oz. \$3.50.

Perennial Grandiflora Types

Copper-Red. Center rich crimson, canary-yellow border, the effect being that of coppery red. Pkt. 15 cts., 2 pkts. 25 cts., 1/2 oz. 75 cts.

Giant Hybrids. Many flowers as large as sunflowers. Pkt. 25 cts., 1/2 oz. \$1, oz. \$3.50.

FUCHSIAS, Mixed. Greenhouse and Summer Bedding Plant. Interesting to sow seed, if you have a greenhouse, from January to March, and plant out in May. This mixture contains white, lilac, pink, light and dark blue. Pkt. 50 cts., 3 pkts. \$1.25.

BLUE GENTIANAS (Gentiana). Perennial, flowering from July to September. Excellent also as pot-plants. Outdoors they do best in semi-shade with plenty of moisture during summer. Sow under glass in late winter and transplant outdoors in spring, or sow in the open ground during spring or summer. Plants resulting from the earliest seeding may be expected to flower the first season.

Hascombensis. Flowers of this lovely new variety are about 1 1/2 inches across and are of various shades of blue. 2 ft. Pkt. 35 cts., 3 pkts. \$1.

GERANIUM sanguineum (Crane's Bill). Perennial. Usually about 1 1/2 feet in height, it makes a brilliant display with its blood-red blossoms. Foliage greenish white. Somewhat changeable plant, but its variations in color and habit are always attractive. July, Aug. Pkt. 35 cts., 3 pkts. \$1.

See also *Pelargonium*.



Gourds

GERBERA, Jamesoni Hybrids (Transvaal Daisy). *Half-lardy Perennial.* Daisy-like plants, slender and graceful. Well-known greenhouse subjects, but may be grown in the open ground also if well mulched over winter. Mixture embraces many pastel shades of red, cerise, salmon, orange, yellow and white. Pkt. 50 cts., 3 pkts. \$1.25.

GEUM (Arenis). Perennials, especially valuable for cut-flowers.

Boris. Orange-red flowers are produced almost continuously, commencing in July. 1 1/2 ft. Pkt. 35 cts., 3 pkts. \$1.

Double Orange Queen. Color is midway between orange-scarlet and gold. 1 1/2 ft.

Prince of Orange. Semi-double; true orange.

Above 2, each, pkt. 25 cts., 1/2 oz. \$1.25, 1/2 oz. \$2

Lady Stratheden. Large; double; rich golden yellow. 1 1/2 ft. Pkt. 25 cts., 1/2 oz. 75 cts., 1/2 oz. \$1.25.

Mrs. Bradshaw. Large; double; brilliant orange-scarlet. 1 1/2 ft. Pkt. 15 cts., 1/2 oz. 60 cts., 1/2 oz. \$1.

GILIA. Annual. Fine feathery foliage and globular heads of bloom about 1 inch across. The flowers last well when cut. 2 ft.

Capitata. Blue.

Micrantha, Fairy Star. Mixed pastel shades.

Each, pkt. 10 cts., 1/2 oz. 35 cts., oz. \$1.25

GLOBE AMARANTH (Gomphrena). Annual; Everlasting. Good bedding plant. Brightly colored flowers resemble clover-heads and can be dried for winter. 1 1/2 ft.

Orange White Mixed
 Each, pkt. 10 cts., 1/2 oz. 25 cts., oz. 75 cts.

GLOXINIA, S. & W. Co.'s Large-flowered. Greenhouse Plant. The ground-color of the large, erect, and widely opened flowers is a velvety purple-crimson, with a rosy white throat. On the corolla appear bands, spots, and stripes of a violet hue. 9 in. Pkt. 75 cts., 3 pkts. \$2.

GNAPHALIUM Leontopodium (Edelweiss). Perennial; Everlasting. White woolly foliage and small yellow flowers. Much sought by alpine travelers, but easily grown; sow early, keep cool and moist. Pkt. 50 cts., 3 pkts. \$1.25.

GREVILLEA robusta (Silk Oak). Greenhouse Plant. Graceful foliage subject, growing 3 to 5 feet high. Pkt. 15 cts., 1/2 oz. 50 cts., oz. \$1.50.

GOURDS • Annual Climbers

Rapid-growing and suitable for around arbors, trellises, fencing, etc. Fruits are strangely shaped and quaintly marked and colored. One sort—the Malabar Melon—is edible.

- | | |
|--------------------------------------|---------------------------|
| LARGE FRUITS | SMALL FRUITS |
| Calabash Pipe | Apple |
| Caveman's Club | Miniature Bottle |
| Dipper | White Egg |
| Dish-Cloth (Luffa) | Orange |
| Giant Bottle | Pear (two colored) |
| Giant Club (5 to 6 feet long) | Spear (striped) |
| Hercules' Club | Spoon |
| Malabar Melon. Edible. | Turk's Turban |

Mixed Gourds. All sorts.

Each, pkt. 10 cts., oz. 35 cts., 1/4 lb. \$1.25.
 COLLECTION: Pkt. each, above 16 Ornamental Gourds, \$1.25

CODETIA. Annual. Showy flowers in leafy racemes; splendid for bedding; also as a pot-plant for winter decoration.

Purity. An upright, single sort. The extra-large white flowers are beautifully frilled, making it a handsome garden subject, as well as an excellent cut-flower. 2 ft. Pkt. 15 cts., 1/2 oz. 75 cts., oz. \$2.50.

Kelvedon Glory. The color is deep glowing salmon-orange. 1 1/2 ft. Pkt. 15 cts., 1/2 oz. 75 cts., oz. \$2.50.

Wild Rose. Pale pastel shade of rose, with a touch of carmine. So free flowering that the foliage is entirely hidden. 1 ft. Pkt. 15 cts., 1/2 oz. 50 cts., oz. \$1.50.

Sybil Sherwood. Salmon-pink. Remarkably free flowering, it is good as a pot-plant, for bedding, and for cut-bloom. 1 1/2 ft. Pkt. 15 cts., 1/2 oz. 50 cts., oz. \$1.50.
Azalea-flowered (Carminea). Double pink flowers, marked darker. 15 in. Pkt. 10 cts., 1/2 oz. 35 cts., oz. \$1.25.

Tall Double, Mixed. Average height 2 feet. Pkt. 10 cts., 1/2 oz. 25 cts., oz. 75 cts.

GYPSOPHILA (Baby's Breath). Annuals and Perennials. Misty white flower panicles, largely used for mixing with other cut-flowers.

Elegans grandiflora alba. Annual. Improved, large-flowering, pure white form of Baby's Breath. 1 1/2 ft. Pkt. 10 cts., oz. 50 cts., 1/4 lb. \$1.75.

Elegans grandiflora rosea. Annual. Delicate rose form of above. 1 1/2 ft. Pkt. 15 cts., oz. 75 cts.

Muralis. An annual sort which forms mounds of green, studded with little pink flowers from early in the season till frost. 10 in. Pkt. 15 cts., 1/2 oz. 60 cts., oz. \$2.

Paniculata. White. Hardy perennial sort that blooms first year if sown early. 3 1/2 ft. Pkt. 10 cts., 1/2 oz. 30 cts., oz. \$1.

Paniculata fl.-pl. (Double Baby's Breath). Perennial. White. Fine for cutting. 3 ft. Pkt. 25 cts., 1/2 oz. \$1, 1/2 oz. \$1.50.

Pacifica. Perennial. Large pink flowers. Blooms after Paniculata sorts have passed. 4 ft. Pkt. 25 cts., 1/2 oz. \$1, 1/2 oz. \$1.50.

Acutifolia. Perennial. Large panicles of small lilac-pink flowers in July. 4 ft. Pkt. 15 cts., 1/2 oz. 60 cts., oz. \$2.

Repens. White. A dwarf, hardy perennial that is fine for rockwork. 6 in. Pkt. 15 cts., 1/2 oz. 60 cts., oz. \$2.

Repens rosea. Pink. Pkt. 25 cts., 1/2 oz. \$1.

HELENIUM (Sneezewort). Perennial. Blooms very freely in late summer.

Autumnale superbum. Golden yellow. 4 ft. Pkt. 25 cts., 5 pkts. \$1.

Riverton Gem. Wallflower-red. 2 ft. Pkt. 25 cts., 1/2 oz. \$1.

HELIANTHUS • Sunflower

Daisy-like blooms, the single types mostly with a large brown center disk; prized for cutting. Tall sorts used in the mixed border.

The following, except the last variety, are annuals. Sown in a sunny location in May, they bloom early and flower until frost.

Sun God. Improved strain of Double Sunflower. Splendid 5-foot plants, surmounted by perfectly double, golden flowers, cushion-like and 4 to 5 inches across. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Cut-and-Come-Again, Mixed. A mixture of the tall-growing, large-flowering types for cutting. 5 ft. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Cucumerifolius (Miniature Sunflower). Small, single, rich yellow flowers. An abundant bloomer. 5 ft. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Cucumerifolius, Stella. Larger. Golden yellow flowers with black centers. 5 ft. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Dwarf Maroon Prince. The best red Sunflower. A dwarf type. 3 ft. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Gigantic Russian. Large old-time Sunflower. 9 ft. Oz. 10 cts., 1/4oz. 25 cts., 1/2lb. 40 cts., lb. 75 cts.

Tall Red, Gaillardia-flowered. Mixture producing red or yellow-and-red flowers, mostly single, some semi-double. 6 ft. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Perennial Sunflowers, Mixed. The best varieties carefully selected. Pkt. 25 cts., 5 pkts. \$1.

HELICHRYSUM (Straw Flower). Annual; Everlasting. Best and most popular of winter-decoration flowers. While growing, the bright-colored chaffy blooms make a fine display in beds or borders. Allow 1 1/2 feet between plants. Double bright-colored flowers. 2 1/2 ft.

Rose Queen	Salmon Queen
Golden Ball	Violet Queen
Snowball	Mixed
Fireball	

Each, pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25

COLLECTION: Pkt. each, above 6 colors, 50c.

HELIOPHILA linearifolia. Annual. Racemes of cornflower-blue flowers. Height 3 ft. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$1.50.

HELIOPSIS scabra zinniaeflora (Hardy Zinnia). Perennial. Orange-yellow sunflower-like flowers from June to September. 3 ft. Pkt. 15 cts., 1/4oz. 60 cts.

FRAGRANT HELIOTROPE. Perfumed Greenhouse or Bedding Plant. Splendid outdoors or it can be trained as a greenhouse climber. Seed started indoors in spring will make fine plants for summer blooming. Can be sown outdoors in May. About 2 ft.

Lemoine's Giant, Mixed. Flower-heads double the size of the old sorts.

Queen Marguerite. Large; dark blue.

White Lady. Largest white.

Each, pkt. 15 cts., 1/4oz. \$1, oz. \$3.50

HESPERIS matronalis (Sweet Rocket; Farm's Violet). Perennial. The plants form large clumps 2 to 3 feet high, covered with showy spikes of red flowers resembling stocks. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

HONESTY (Moonwort; Satinpod). Biennial Everlasting. Purple flowers followed by round silvery parchment-like seed-pouches, which are used for house ornament. Sow seed in open in May and protect over winter. 2 ft. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

HEUCHERA • Alum Root; Coral Bell

Perennial. Bushy plants of easy culture, growing 1 1/2 to 2 feet high, and bearing graceful spikes of tiny flowers. Excellent for the border or rock-garden. July, Aug.

Sanguinea. Coral-red.

Sanguinea gracillima rosea. Carmine-rose.

Each, pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$2.

HIBISCUS, Giant-flowering Type. (Marshmallow). Perennial. Showy ornamental plants for beds or borders. Will bloom first year. Flowers are 6 inches in diameter, trumpet-shaped, with dark centers. 5 ft.

Red	Pure White	Pink
White, with Crimson Eye	Mixed	

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

HOLLYHOCK

Perennial. One of the most popular of hardy garden plants. The beautiful color effects produced by the planting of these flowers, combined with their dignified and stately appearance, render them indispensable for either the old-fashioned garden or the well-planned herbaceous border. As the plants are affected with rust occasionally, we recommend spraying with an approved fungicide. 6 to 9 ft.

Double Orange Prince. The flowers are large and of a brilliant apricot-orange hue. Gives a beautiful effect in a planting. Pkt. 25 cts., 1/4oz. \$1, 1/4oz. \$1.50, oz. \$5.

Double Exquisite. Large blooms are beautifully fringed and frilled or deeply dentate, and their colors are charming. A fine mixture of all colors. Pkt. 25 cts., 1/4oz. \$1, 1/4oz. \$1.50, oz. \$5.

Haile Selassie. The large semi-double flowers are so deep a maroon that they seem to be black, and their color is sharply accented by the yellow stamens, producing a fascinating combination of black and gold. Pkt. 35 cts., 3 pkts. \$1.

Chater's Superb Double

Deep Rose	Scarlet
Newport Pink	Sulphur-Yellow
Pure White	Superb Mixed
Salmon-Rose	

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

S. & W. Co.'s Superb Single

Maue	Scarlet	Yellow
Pink	White	Mixed

Each, pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25

Annual Hollyhock, Indian Spring. Produces a main flower-strike twenty weeks after sowing. It has semi-double and double fringed flowers in several beautiful shades of pink. 5 ft. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

HUNNEMANNIA (Tulip Poppy; Santa Barbara Poppy). Annual. Sow in the open around May 1 or earlier under glass in pots, transplanting when danger of frost is over. A sunny position in a well-drained border suits them.

Fumarifolia. Large, buttercup-yellow, poppy-like blossoms. Bushy, with beautiful, feathery, glaucous foliage. 2 ft. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Sunlite. Semi-double form that develops a band of short petals on the outside of the bud, giving it the appearance of an always-open flower. Canary-yellow. 2 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.



Hollyhock, Haile Selassie

IPOMOEAS

Morning-Glories; Convolvulus

Annuals, mostly climbers. These are excellent for covering walls, trellises, arbors, or stumps of trees. Sow in the open ground in a sunny situation when the weather has become warm.

Scarlett O'Hara. Flowers 3 1/2 inches in diameter. They remain open from sunrise well past noon—hence *Morning-Glory*. Pkt. 20 cts., 1/4oz. 60 cts., oz. \$1, 1/2lb. \$3.50.

Pearly Gates. A true giant, with 4-inch diameter blooms. Climbs 12 feet. Silver Medal, All-America Trials for 1942. Pkt. 25 cts., 1/4oz. \$1, oz. \$1.75.

Heavenly Blue. Flowers 4 inches in diameter. We offer an improved, early-flowering strain. Pkt. 20 cts., 1/4oz. 60 cts., oz. \$1, 1/2lb. \$3.50.

COLLECTION: 1 pkt. each above 3 Morning-Glories, 50 cts.

Mixed Imperial (Emperor Morning-Glory). Flowers are of large size and their colorings varied and beautiful. Pkt. 10 cts., oz. 35 cts., 1/2lb. \$1.25.

Rose Marie. Rose-pink, double and semi-double flowers. Pkt. 10 cts., 1/4oz. 30 cts., oz. 50 cts.

Bona-nox (Evening-Glory). Rosy lilac flowers, expanding in the evening. Very rapid grower. Pkt. 10 cts., oz. 30 cts.

Mexicana alba (Moonflower). At night and during dull days the plants are covered with an abundance of large, pure white flowers having a delicate fragrance. Pkt. 10 cts., oz. 35 cts.

Dwarf Ipomoea, Royal Ensign

A low-growing Morning-Glory, ideal for carpeting in front of the annual border or for defining a flower-bed or path. It is covered all summer with Delft-blue, trumpet-shaped flowers, each with a white center. Pkt. 15 cts., 1/4oz. \$1, oz. \$1.50.

HUMULUS (Oriental Hop). Annual Climber. Grows 20 to 30 feet in four months. Its luxuriant foliage makes it one of the best plants for covering verandas, trellises, etc. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

May we draw your attention to Floral Perfumes on page 84



Larkspur, Peach Blossom

IMPATIENS Sultani (Touch-me-Not; Snapweed). *Greenhouse and Summer Bedding Subject*. Desirable for the greenhouse, also for planting out in partial shade. Profuse and continuous bloomer; semi-succulent. Flowers brilliant carmine, 1½ inches across. 1½ ft. Pkt. 25 cts., 5 pkts. \$1.

INCARVILLEA Delavayi. *Perennial*. Striking plant with large leaves. The flowers, on long stems, are bright rose, tube-shaped, and appear almost like gloxinias. June to Aug. 2½ ft. Pkt. 25 cts., 5 pkts. \$1.

IRISH BELLFLOWER. *Annual*. Numerous bell-shaped green and white flowers. 2 ft. Pkt. 25 cts., 5 pkts. \$1, ½ oz. \$1.50.

KALANCHOE coccinea. Succulent plant with scarlet flowers. Sown in winter, grown outdoors in summer, it blooms a year after sowing. Popular with the commercial florist. Pkt. 35 cts., 3 pkts. \$1.

KALE, Decorative. Edible vegetable with densely curled leaves. Some plants are yellow, others golden, purple and red. Pkt. 15 cts., ½ oz. 50 cts., oz. \$1.50.

KOCHIA trichophylla (Summer Cypress; Mexican Firebush). *Annual*. 2½ ft. Pyramidal bush with leathery, light green foliage, changing to a crimson hue about September. Pkt. 10 cts., ½ oz. 25 cts., oz. 75 cts.

LANTANA, Mixed. *Greenhouse and Summer Bedding Plant*. The flowers are borne in verbena-like heads of orange, white, rose, etc. The colors change as the flower ages. Pkt. 25 cts., ½ oz. \$1, oz. \$3.50.

LATHYRUS (Everlasting or Hardy Sweet Pea). *Perennial Climber*. The flowers are borne in clusters. Climbs over rocks and fences. Splendid cut-flower. 6 to 8 ft.

White Pink Beauty Red Mixed Each, pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.

LAVATERA splendens rosea (Mallow). *Annual*. Beautiful plant, covered with large, cup-shaped, pink flowers. 2 ft. **Splendens alba**. White form of the above. Each, pkt. 10 cts., ½ oz. 50 cts., oz. \$1.50.

LAVENDER, Munstead Strain. *Perennial*. Best type of this fragrant plant. 2 ft. Pkt. 25 cts., ½ oz. 75 cts., ½ oz. \$1.25.

BRILLIANT LARKSPURS

Annuals with sprays of spurred flowers. Seeds sown in the open in April will produce flowering plants by July. Sowing in September, and again in November, is also advised. They make handsome beds and are very effective among shrubs.

Giant Imperial Sorts

Plants of giant proportions with the habit of the delphinium. Height up to 5 ft.

***Blue Spire**. Similar to White Spire, except color is deep Oxford blue.

Carmine King. Fine deep carmine-rose.

Coral King. Blush-pink, suffused with coral. The large double florets are borne on 2 to 2½-foot stems.

***Dazzler**. Vivid, lustrous carmine in color, and in bloom ten days earlier than most.

***Exquisite Pink Improved**. The shade of pink meets exactly the florists' needs.

Gloria. A rich tone of deep rose, with no trace of carmine.

Lilac King. Clear lilac, a rich shade that will be welcomed by every gardener. 4 ft.

Lilac Queen. Color is a rich lilac, shading to lavender-blue. Popular for home decoration and essential for the florist.

Lilac Spire. Beautiful shade of lilac so popular in Larkspurs.

Montrose. Clear rose-pink, exceptionally large.

Peach Blossom. Light pink with salmon trace.

Pink King. A soft, yet lively, salmon-rose. Height, 5½ ft.

Rosalind. Pink with a salmon suffusion. Plant groups of five or more in the middle distance of your annual border.

***Sweet Lavender**. Good rich lavender-blue.

White King. The finest white variety.

***White Spire**. A new, dazzling, pure white, double Larkspur.

Mixed Giant Imperial Larkspurs.

Each, pkt. 15 cts., ½ oz. 60 cts., oz. \$2
COLLECTION: 5 varieties marked (*), 60 cts.

S. & W. Co.'s Emperor

This dwarf stock-flowered type of Annual Larkspur is of candelabra habit. Height 2 ft.

Azure-Blue **Pink Delight**. Soft

Brilliant Carmine **rose**

Enchantress (Pink) **Violet**

Mixed **White**. Pure.

Each, pkt. 10 cts., ½ oz. 30 cts., oz. \$1

COLLECTION: Pkt. each, above 6 colors, 50c.

LEPTOSYNE. *Annual*. Sow in the open and allow the plants to stand 1 foot apart; or sow earlier under glass and transplant.

Golden Rosette. Double, daisy-like blooms are bright yellow. 1½ ft. Pkt. 15 cts., ½ oz. 60 cts., ½ oz. \$1.

Stillmani. Golden yellow flowers. Splendid cut-flower. Blooms in six weeks. 1 ft. Pkt. 15 cts., ½ oz. 50 cts.

LIATRIS pycnostachya (Blazing Star; Gayfeather; Snakeroot). *Perennial*. Purple and rosy purple flowers are borne on long spikes. 3 to 4 ft. July-Sept. Pkt. 25 cts., ½ oz. \$1.

Scariosa alba. Stout racemes of pure white flowers. Imposing in the border. 3 ft. Pkt. 50 cts., 3 pkts. \$1.25, ½ oz. \$2.

LILIES from seed. Most Lilies will produce flowers the second year from seed; treat them like other hardy perennials.

Candidum. Salonic variety.

Longiflorum, White Queen (Easter Lily).

Tenuifolium (Coral Lily).

Each, pkt. 50 cts., 3 pkts. \$1.25

Henryi (Yellow Speciosum).

Philippinense formosum (Hardy Easter Lily). Blooms in July.

Each, pkt. 25 cts., ½ oz. \$1, ½ oz. \$1.50

Regale (The Royal Lily). Pkt. 10 cts., ½ oz. 35 cts., oz. \$1.25.

LINARIA, Fairy Bouquet (Toadflax). *Annual*. Splendid mixture. The compact plants bear large flowers in rose, yellow, pink, lavender, carmine, red, violet, white, and salmon. Excellent for bedding or for pots. Pkt. 15 cts., ½ oz. 60 cts., oz. \$2.

Cymbalaria (Kenilworth Ivy; Mother of Thousands; Creeping Sailor). *Perennial Climber*. Lavender and purple. A charming, hardy trailer plant, suitable for pots or rockeries. Up to 3 ft. Pkt. 25 cts., 5 pkts. \$1.

LINUM grandiflorum rubrum. *Annual*. 1 ft. Showy bedding plants having brilliant scarlet flowers. Pkt. 10 cts., ½ oz. 25 cts.

Perenne (Flax). *Perennial*. Bright blue. 1½ ft. Pkt. 15 cts., ½ oz. 35 cts., oz. \$1.25.

Perenne album. *Perennial*. White. 1 ft. Pkt. 15 cts., ½ oz. 35 cts., oz. \$1.25.

Flavum (Golden Flax). *Perennial*. Yellow. Dwarf, compact type, especially valuable for the rock-garden. 6 in. Pkt. 50 cts., 3 pkts. \$1.25.

Heavenly Blue. *Perennial*. New variety with glowing ultramarine-blue flowers from June to August. 15 in. Pkt. 50 cts., 3 pkts. \$1.25.

CHEERFUL LOBELIAS

Sow in spring, and thin or plant 5 inches apart. The annual varieties are useful for edging or carpet bedding; trailing sorts are good conservatory subjects.

ANNUAL BEDDING VARIETIES

Cambridge Blue. A light, bright blue type. Pkt. 25 cts., ½ oz. \$1, ½ oz. \$1.50.

Crystal Palace Compacta. Deep blue. Dark foliage. Pkt. 15 cts., ½ oz. 60 cts., ½ oz. \$1.

Emperor William. Compact; sky-blue flowers. Pkt. 15 cts., ½ oz. 60 cts., ½ oz. \$1.

Mrs. Clibran Improved. Large, deep blue, white-eyed flowers. Compact plant. Pkt. 25 cts., ½ oz. 75 cts., ½ oz. \$1.25.

RED-FLOWERED PERENNIAL

Cardinalis (Cardinal Flower). Scarlet. Green foliage needs a moist, shaded place for maximum development. 3 ft. Pkt. 35 cts., 3 pkts. \$1.

LYCHNIS (Catchfly; Campion). *Perennial*. Easily grown plants for massing in beds or borders, blooming first year from seed.

Alpina. Splendid dwarf variety for rock-gardens. Rose-colored blooms in June. 6 in. Pkt. 25 cts., 5 pkts. \$1.

Chalcedonica. Scarlet; 2 ft. Pkt. 10 cts., ½ oz. 35 cts., oz. \$1.25.

Chalcedonica, Salmon Queen. Salmon; 2 ft. Pkt. 15 cts., ½ oz. 60 cts., ½ oz. \$1.



Lupinus polyphyllus

LUPINUS • Lupine

Of easy culture and should be more generally grown. The annuals may be sown in the open in May; thin to 1 foot.

ANNUAL KING LUPINES

Plants grow 3 feet high and branch at the base, forming a handsome, candelabra-like plant, with six to eight huge spikes to a plant. For cut-flowers and forcing.

King Blue. Rich dark blue, with a pure white stripe in the standard of each flower.

King Light Blue. Large, fine sky-blue flowers.

King White. Enormous, glistening pure white flowers.

Each, pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1

King Mixed. Contains the above colors and in addition sky-blue, heliotrope, and mid-blue. Pkt. 10 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts.

Attraction. Beautiful rose-pink standards, shaded gold. Pkt. 10 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts.

Yellow Fragrant. Very sweet-scented. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts.

Perennial Polyphyllus Lupines

Sow during summer to bloom from June to September of the following year, preferably where they are to flower, as they do not transplant well. Partly shaded, rich soil, free from lime, is advised.

We offer exclusively a 5-foot-high strain of exceptional merit, and one which includes many new and bright colors. The plants are robust and decidedly larger than the type.

Pink Shades **White** **Blue Shades**
Red Shades **Mixed Hybrids**
Golden Spire. Rich golden yellow.

Each, pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50

Russell Lupins. Reselected Strain. Colors and combinations of color that are new; the size of the florets, their number on a spike, and the length of the spike are altogether sensational. Varies in height from 15 inches to 9 feet, but averaging $3\frac{1}{2}$ feet. *Reselected strain.* Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

AFRICAN MARIGOLDS

Your attention is drawn to page 34, where six outstanding Marigolds are shown in color; also brief cultural directions.

Tall Double. $2\frac{1}{2}$ ft.

Husky plants, quick to grow and smothered with mammoth tightly double blooms. Good for beds or the annual border.

Aldouble Lemon **Aldouble Orange**
Each, pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50
Aldouble Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Collarette. $2\frac{1}{2}$ ft.

Centers of the $2\frac{1}{2}$ -inch blooms are short, quilled florets, surrounded by flat ones.

In this type, much of the characteristic Marigold odor—objectionable to some—has been bred out.

Crown of Gold. Bright golden orange. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Crown Prince. Primrose-yellow. Ideal companion to Crown of Gold. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., $\frac{1}{4}$ oz. 75 cts.

Gigantea. 3 ft.

A remarkable new, sweet-scented, robust-growing, extremely large-flowered type, excellent for show purposes and the garden.

Orange Sunset. Fine deep orange. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Sunset Giants. Rich mixture. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Dwarf Gigantea. 15 in.

Pot O'Gold. Large and fragrant, like the above, but dwarf; ideal for bedding and cut bloom. Large, loosely formed flowers of deep orange-gold 4 inches in diameter, ball-like and double. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{2}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

Golden Bedder. This dwarf variety is the quickest Marigold to bloom. The flowers are golden orange; they have an outer row of guard florets surrounding a fully double crest. A good bedding sort, because the plants are so uniformly symmetrical. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{2}$ oz. \$1.50.

Peony-flowered. $2\frac{1}{2}$ ft.

The bomb-shaped blooms are suggestive of the peony and are immense.

Golden Supreme. Glowing gold.
Orange Supreme. Intense orange.

Each, pkt. 25 cts., $\frac{1}{2}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1

Chrysanthemum-flowered. 2-3 ft.

The florets which make up the bloom are curved, and remind one of the chrysanthemum.

Early Sunshine. Bright yellow.

Golden Glow. Bright golden yellow. Odorless foliage.

Limelight. Light primrose-yellow.

Hybrids. Fine mixture of many varieties.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

MALOE grandiflora, Giant Crimson.

Annual. Large hibiscus-like flowers. $2\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., $\frac{1}{4}$ oz. 75 cts.

Epicures Attention!

You are interested in unusual foods? May we draw your attention to pages 93 to 95?

African Marigolds, Chrys.-fl., con.

Goldsmith. Veritable bushes are covered with large flowers, round, double and saffron-gold, 4 inches across, quilled and incurved. Starts to bloom early. Pkt. 25 cts., $\frac{1}{2}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Yellowstone. Flowers are 3 inches in diameter, of the double, incurved and quilled chrysanthemum shape and highly attractive. Their color is clear golden yellow. Height 3 to 4 ft. Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

American Beauty (Chrysanthemum-flowered, Incurved). Mammoth flowers on 3-foot plants.

Orange **Golden Orange** **Yellow**
Each, pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25

Dwarf Double. 12-15 in.

These are good for edging a border or a bed containing other Marigolds.

Little Giants, Orange. Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Little Giants, Mixed. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Carnation-flowered. 1-2 $\frac{1}{2}$ ft.

The florets of which the bloom is comprised are wide and waved.

Yellow Supreme. Lemon-yellow. $2\frac{1}{2}$ ft.

Guinea Gold. Brilliant golden orange. $2\frac{1}{2}$ ft.

Dwarf Guinea Gold. 1 ft. Similar to Guinea Gold except in height.

Each, pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. \$1.50

FRENCH MARIGOLDS

Scabious-flowered

Flowers have a pin cushion-like, cone-shaped center, surrounded by a few flattened petals. Splendid for cut-flower purposes, and very decorative in the garden.

Sunkist. A neat, low-growing plant which starts to bear double orange-colored blooms early, and thereafter is a blaze of flowers until November. Sunkist is an orange counterpart of Butterball (see below), and these two sorts together will make an ideal border in a flower-bed which has a taller kind in the center; almost equally striking when used alone as a one-tint edging. Sunkist won highest honors in the All-America Seed Trials for 1943. Pkt. 25 cts., $\frac{1}{2}$ oz. 50 cts., $\frac{1}{4}$ oz. 75 cts.

Butterball. Flowers $1\frac{1}{2}$ ins. across remind one of scabious in appearance, but their color is canary-yellow, so bright that as a bedding or edging plant it seems to glow with its own light. Height, 9 in. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. \$1.50.

Harmony Hybrids. The double flowers average $1\frac{1}{2}$ inches in diameter and colors include orange and yellow selfs and combinations of maroon blotchings and stripings. Height, 12 to 14 in. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. \$1.25.

Melody. Of the scabious-flowering type, it is an excellent bedding and edging plant because of the earliness with which it starts to bloom. The golden yellow blooms are $1\frac{1}{2}$ inches in diameter. 1 ft. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. \$1.50.

Double Harmony. Deep orange crest with maroon-brown collar of broad florets. 1 ft. The following shown in color on page 34.

Scarlet Glow **Spry**
Each, pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. \$1.50

IMPROVE YOUR LAWN

with an occasional dose of LAWNSPREAD. May be used at any time of the year. Unit of 25 pounds treats 200 to 400 square feet and costs \$2.

French Marigolds, continued

Dwarf Doubles

Royal Scot Alldouble. Rich mahogany and gold in uniform stripes. 1 ft.

Yellow Pygmy. Blooms measuring less than an inch in diameter, light lemon-yellow. 9 in.

Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

Robert Beist. Dark brownish maroon. 1 ft.

Golden Ball. Golden orange. 1 ft.

Lemon Ball. Lemon-yellow. 1 ft.

Mahogany. Velvety mahogany-brown. 1 ft.

Mixed. Contains all colors.

Each, pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25

Dwarf Singles

FERDINAND. Showy, single flowers, 1 1/2 to 1 3/4 inches across, have a center of golden tubular florets, surrounded by mahogany-red guard florets. 20 to 24 in. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Fire Cross. Deep orange, splashed and spotted with crimson. 1 ft.

Legion of Honor (Little Brownie). Golden yellow, crimson blotch. 9 in.

Each, pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25

Winter-flowering Marigolds

Sawco Strain. For indoor growing. Outer florets are beautiful mahogany, with a large pin-cushion center of golden yellow, suffused mahogany. Pinch plants when they are 8 inches high. Height at maturity 2 1/2 ft. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.

We draw your attention to page 34, where the following Marigolds are shown in actual color:

Pkt. 1/4oz. 1/2oz. Oz.

Little Giants, Orange.			
1 ft.,	50	25	\$5 15 25
Butterball. 9 in.	15		50 \$1 50
Golden Glow. 2 1/2 ft.	15		50 1 50
Scarlet Glow. 1 ft.	15		50 1 50
Orange Sunset. 3 ft.	15	50	75 2 50
Spry. 1 1/2 ft.	15		50 1 50
On back cover is—			
Limelight. 20 in.	15		50 1 50

MATHIOLA bicornis (Evening-scented Stock). Annual. Flowers dull purplish lilac; grown for their fragrance at night. 1 ft. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

MATRICARIA. Half-hardy Perennials, treated as Annuals.

S. & W. Co.'s Double White (Feverfew). Excellent for cutting. 15 in. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Golden Ball. Yellow. Good bedding plant. 12 in. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

MESEMBRYANTHEMUM crystallinum (Ice Plant). Annual. Dwarf, trailing plants with pink flowers and glistening foliage. 8 in. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Criniflorum, Mixed. Annual. Many attractive colors. Spreading plant. 3 in. Pkt. 25 cts., 1/4oz. \$1.

MIMULUS moschatos (Musk Plant). Annual. Beautiful plant with almost transparent branches. Likes damp, shady situations. Musk-scented. 1 ft. Pkt. 25 cts., 5 pkts. \$1.

Splendid Annual, Mixed. Pkt. 25 cts., 5 pkts. \$1.

MINA lobata. Annual Climber. Sow against a fence or stump in spring, and it trails 20 feet; for July on, it is covered with small, trumpet-shaped, red flowers. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

MIGNONETTE • Reseda

Annual. Well-known, sweet-scented flowers. At home in the greenhouse, garden, or sitting-room.

Red Monarch. Deepest red sort. Flower-spikes are thick and heavy. Very sweet-scented. For outdoors and under glass. 15 in. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

S. & W. Co.'s Triumph. Recommended for winter forcing. In type similar to Allen's Defiance, except that spikes are more compact and larger in size. 15 in. Pkt. 25 cts., 1/4oz. 60 cts., 1/2oz. \$1.

Allen's Defiance. Large-flowering and deliciously fragrant. When grown under favorable conditions its spikes will be 12 inches long. The individual florets are of remarkable size, forming a graceful as well as compact spike. 1 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Machet. Dwarf variety, with broad spikes of very fragrant red flowers. One of the best for either garden or pot-culture. 10 in. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

MOMORDICA. Annual Climber. 15' to 20' ft. Large leaves make dense shade. Flowers followed by ornamental fruits.

Balsamina (Balsam Apple). Orange

fruits. Pkt. 15 cts., oz. 50 cts.

Charantia (Balsam Pear). Copper scarlet fruits. Pkt. 15 cts., oz. 50 cts.

MONARDA hybrida, Mixed (Bee Balm; Bergamot). Perennial. Aromatic plant; showy flowers in clusters. Mixture of salmon, rose, crimson, and scarlet. 3 ft. July-Sept. Pkt. 25 cts., 1/4oz. 60 cts., 1/2oz. \$1.

MYOSOTIS • Forget-me-not

Perennial. Hardy with slight protection over winter. Seed may be sown in spring or summer. Alpestris sorts bloom in April; Palustris, May to fall.

Alpestris (sylvatica) Varieties

Ideal for planting between May-flowering tulips in early spring as a ground-carpet.

Blue Ball. New. Compact plant with deepest indigo flowers. For bedding and edging. 10 in. Pkt. 35 cts., 3 pkts. \$1, 1/4oz. \$1.50.

Royal Blue. Rich dark indigo-blue flowers. 9 in. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Blue Spire. New sort with flowers of a lively deep, but bright blue; a mass of bloom in spring. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Oblongata, Blue Bird. Beautiful spring-flowering type with deep, true blue blooms. Pkt. 25 cts., 1/4oz. 75 cts., 1/2oz. \$1.25.

Palustris semperflorens (Everblooming Forget-me-not). Large, clear blue flowers. 1 1/2 ft. Pkt. 50 cts.

Ruth Fischer. Large blue blooms up to 1/2 inch in diameter. Valuable for pot-culture and spring bedding. 1 ft. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$2.50, 1/2oz. \$4.

NEMESIA. Annual. Flowers are short tubes with broad, flattened lips. Brilliant bedding plants.

White Queen. When in flower it is a perfect white pyramid. 1 ft. Pkt. 25 cts.

Orange, Cherry-Red, and Mixed.

Hybrid Blue Gem. A dwarf variety, very suitable for borders. 9 in.

Each, pkt. 15 cts., 2 pkts. 25 cts., 1/4oz. \$1.50



Nasturtium, Dwarf or Globe

NASTURTIIUMS

For ease of culture, duration of bloom, brilliancy of coloring, and general excellence, Nasturtiums are unexcelled. In a sunny position they furnish gorgeous blossoms.

Dwarf or Globe Types

Double, fragrant flowers; compact plants, entirely without runners. Excellent for borders, edging, pots and flower-beds.

Salmon Globe **Scarlet Globe**
Mahogany Globe **Orange Globe**
Ruby Globe

Each, pkt. 15 cts., oz. 50 cts., 1/4lb. \$1.50, lb. \$5

Golden Globe **Dwarf Globe Mixture**

Each, pkt. 10 cts., oz. 25 cts., 1/4lb. 75 cts.

COLLECTION: Pkt. each, above 6 colors, 60c.

Semi-Dwarf or Glean Types

Double, fragrant flowers; plants have short runners. Suitable for trailing in a rock-garden or window-boxes and for cut-bloom.

Salmon Glean **Scarlet Glean**
Mahogany Glean **Orange Glean**
Moon Glean (golden cream)

Each, pkt. 15 cts., oz. 50 cts., 1/4lb. \$1.50

Golden Glean **Glorious Glean Mixture**

Above 2, pkt. 10 cts., oz. 25 cts., 1/4lb. 75 cts.

COLLECTION: Pkt. each, above 6 colors, 60c.

Tom Thumb or Bedding (Single)

Dwarf, Ivy-leaved, Mixed. Beautiful, green, ivy-like foliage; an effective setting for the lovely flowers. All colors. Pkt. 10 cts., oz. 25 cts., 1/4lb. 75 cts., lb. \$2.50.

Dwarf, Variegated-leaved, Mixed. Good flowers and ornamental foliage. All colors. Pkt. 10 cts., oz. 25 cts., 1/4lb. 75c., lb. \$2.50.

Large-flowered, Dwarf, Mixed. Pkt. 10 cts., oz. 20 cts., 1/4lb. 60 cts., lb. \$2.

Tall or Climbing (Single) 6 to 10 ft.

Tall, Variegated-leaved, Mixed. Ornamental leaves; climbing. Pkt. 10 cts., oz. 25 cts., 1/4lb. 75 cts., lb. \$2.50.

Large-flowered, Tall, Mixed. Pkt. 10 cts., oz. 20 cts., 1/4lb. 60 cts., lb. \$2.

NEMOPHILA. Annual. Bright flowers in shades of blue, white, and violet. 6 in.

Insignis (Baby Blue-Eyes). Blue. Mixed.

Each, pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.



Nicotiana affinis

NICOTIANA • Scented Tobacco

Easily grown annuals with broad leaves and spikes of fragrant trumpet-flowers.

Affinis. Fragrant white, star-shaped flowers, 3 inches across, blooming continually. 2 to 3 ft. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75c.

Affinis Hybrids, Mixed. A fine assortment of colors; highly perfumed. 2 to 3 ft. Pkt. 10 cts., 1/4 oz. 35 cts., oz. \$1.25.

Affinis, Pink and Red Shades. Immense clusters of pink and rich crimson flowers. 2 to 3 ft. Pkt. 10 cts., 1/4 oz. 35 cts., oz. \$1.25.

Crimson Bedder. Dwarf and compact. Deep crimson flowers. 15 in. Pkt. 15 cts., 1/4 oz. 50 cts., 1/2 oz. 75 cts.

Crimson King. The color is a dark, velvety crimson-red. 2 1/2 ft. Pkt. 10 cts., 1/4 oz. 35 cts., oz. \$1.25.

Miniature White. Small-flowered, pure white species, delightfully scented. A fine bedding subject and pot-plant. 1 1/4 ft. Pkt. 35 cts., 3 pkts. \$1.

Sanderæ Hybrids, Mixed. New types in various colors. 2 1/2 ft. Pkt. 10 cts., 1/4 oz. 35 cts., oz. \$1.25.

NIEREMBERGIA, Purple Robe (Cup-flower). Perennial; treated as an annual. Sow in early spring indoors, and transplant in May. Useful edging plant, forming a cushion or mat covered with deep violet-blue, petunia-like flowers, 1 1/4 inches in diameter. 6 in. Pkt. 50 cts., 3 pkts. \$1.25.

NIGELLA (Love-in-a-Mist; Fennel Flower). Easily grown annuals with cup-shaped flowers partly hidden by lace-like foliage.

Damasena, Mixed. Feathery foliage and double blue or white flowers. 1 1/2 ft. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75c.

Miss Jekyll. A lovely variety with cornflower-blue blossoms. 2 ft. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

Miss Jekyll, White. Pure white form of the above. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

NOLANA, Blue Ensign (Chilean Bell-flower). 1 ft. Annual for bedding or greenhouse use. Ultramarine flowers on 6-in. stems. Pkt. 25 cts., 1/4 oz. \$1.50, 1/2 oz. \$2.50.

ONOTHERA (Evening Primrose). Perennial. Its flowers usually open in the afternoon and close in the morning.

Speciosa. White turning to pink; fragrant. 1 1/4 ft. Pkt. 25 cts., 5 pkts. \$1.

Clutei. Soft creamy yellow. 4 ft. Pkt. 15 cts., 1/4 oz. 60 cts., oz. \$2.

Giant-Flowered Pansies

TREAT AS ANNUALS OR BIENNIALS

This popular plant needs no description. Good results may be obtained from sowing seed in April or again in July and August in a light, cool, but well-moistened soil, enriched with a slight amount of barnyard manure or fine-ground bone. Sow seed in drills, covering them five times their diameter, and firm the soil. Seed will germinate in about two weeks and should not be allowed to dry out. When plants are large enough to handle, transplant to a distance of 1 foot apart. Protected in winter under glass, summer-sown plants are put out in bloom in April; carried over in the open they bloom a month later.

SUPER-PASTORAL GIANTS. This superb strain of giant fancy Pansies is the culmination of years of scientific culture. A vigorous root-system enables it to bloom well into hot weather. Flowers are round, of immense size, firm texture with strong stems.

Light Lavender	Snow-White
Pure Golden Yellow	Mixed
Each, pkt. \$1, 1/4 oz. \$3.50, 1/2 oz. \$6, 1/4 oz. \$10, oz. \$35.	

BABY DELIGHT. The beautiful waved blooms are a delightful light blue shade. They appear quickly from seed—in a little over two months. Pkt. 25 cts., 5 pkts. \$1, 1/4 oz. \$1.50, 1/2 oz. \$2.50.

CORONATION GOLD. Flowers 3 inches across, with ruffled edges. Color is canary-yellow, lower petals flushed orange. Pkt. 50 cts., 3 pkts. \$1.25, 1/4 oz. \$3.

Giant Greenhouse Pansies

SAWCO STUPENDOUS. Remarkable strain of gigantic proportions for indoor culture, offered exclusively by us. The plants grow 4 feet high. Carried on thick, stiff stems, 18 inches long, are enormous flowers 4 to 4 1/2 inches across and in a complete color-range; included are both multicolor blooms and selfs, and among the latter are pure yellow. Invaluable to the professional gardener and the producing florist. May also be grown in the open, in the same manner as ordinary Pansies, but you should give them protection over winter. Pkt. \$1.50, 3 pkts. \$4.

Pastoral Giants

The Pastoral Giants embrace a wider range of color than other large Pansies. Many are frilled and sweetly perfumed.

Oriole. Copper-red and yellow.

Pure Golden Yellow. Lavender (light).

Pure Snow-White. Mahogany Shades.

Bronze Shades.

Emperor William Blue (dark).

Fancy Red Shades. Yellow, Dark Eye.

Pink Shades. Brown Shades.

Variegated Shades. Striped and blotched.

Pastoral Giants Mixed.

Each, pkt. (about 300 seeds) 50 cts., 1/2 oz. \$2, 1/4 oz. \$3.50, 1/2 oz. \$6, oz. \$20

SAWCO EXHIBITION STRAIN. This mixture has been prepared from the finest varieties, with blooms of good size, splendid texture, and plants of robust constitution, holding their flowers well above the foliage. Every color combination is included. Pkt. 50 cts., 1/4 oz. \$2.50, 1/2 oz. \$4, 1/4 oz. \$7.50, oz. \$15.

SWISS GIANT, MIXED. These are large blooms and their shape is good; among them are many unusual shades. They stand warm weather better than many other types. Pkt. 25 cts., 5 pkts. \$1, 1/4 oz. \$2, 1/2 oz. \$3.50, oz. \$12.

NON PLUS ULTRA, MIXED. A mixture for the critical buyer who desires his beds to be uniform in quality yet with every color represented. Pkt. 25 cts., 1/4 oz. \$1.25, 1/2 oz. \$2, 1/2 oz. \$3.75, oz. \$7.50.

MIXED BEDDING PANSIES. All colors. Pkt. 15 cts., 1/4 oz. \$1, 1/4 oz. \$1.50, oz. \$5.

PASSIFLORA (Passion Flower). Half-bardly Climber. Handsome, rapid-growing climber for greenhouse or sunny positions outdoors in summer. Cross, crown of thorns, nails, etc., are seen in the flower. **Cærulea.** Large flowers of violet and blue.

Pkt. 25 cts., 5 pkts. \$1

PELARGONIUM (Geranium). Greenhouse and Summer Bedding Plant. Many a fine house Geranium may be obtained from seed. We offer an interesting mixture—reds, crimsons, pinks, and whites. Pkt. 25 cts., 1/4 oz. \$1, 1/4 oz. \$1.50.

See also Geranium (Crane's Bill).



Pentstemon, Sensation

Pentstemon • Beard Tongue

Treat as an Annual. Attractive perennial producing sprays of brightly colored tubular flowers. A bedding plant of great beauty. Give it the same culture as the bedding Salvia, sowing seed in March or April, and it will be effective from midsummer to frost.

Giant-flowered Hybrids. This is a mixture of the finest giant-flowering varieties and a very excellent assortment of colors. 2 1/2 ft. Pkt. 25 cts., 1/4 oz. 60 cts., 1/2 oz. \$1.

Sensation. Spikes of large, gloxinia-like flowers in a wide range of color, including rose, red, carmine, cherry, pink, lilac, purple, etc. 2 ft. Pkt. 25 cts., 1/4 oz. \$1, 1/4 oz. \$1.50.

Brilliant Petunias

Petunias are ideal for beds, porch-boxes or window-boxes. They flower in summer, even if sown in the open ground during May or June. Those sown in the house or hotbed in March or April will be in bloom by June and will be larger and finer plants.

Giant Single Fringed

These have flowers 4 to 5 inches across.
Pride of Portland. Beautiful rose-pink.
Romany Lass. Coppery blood-red blossoms with dark purple throats; striped black.
Scarlet Beauty. Brilliant scarlet.
Theodosia. Large; soft rose-color, with a golden throat, beautifully veined.
Violaacea. Velvety violet-blue.
White Beauty. Clear, crisp white.
Single Fringed, Mixed (Fluffy Ruffles). Each, pkt. 25 cts., 5 pkts. \$1
COLLECTION: Pkt. each, above 6 colors, \$1.25
Dainty Lady. The flowers are fringed, medium in size and light golden yellow. Pkt. 50 cts., 3 pkts. \$1.25.
Glamour. Enormous flowers are single, frilled, and over 5 inches across. They are rosy salmon, and the cream throat is strongly marked with brown veins. Flowers early. 20 inches. Pkt. 50 cts., 3 pkts. \$1.25.

Giant Single Plain-edged

These have flowers 4 to 5 inches across.
Elk's Pride. Large; very dark purple.
Dwarf Pink Glory. Deep rose flowers.
Purple Robe.
White Cloud. Large, pure white flowers. Each, pkt. 25 cts., 5 pkts. \$1
COLLECTION: Pkt. each, above 4 colors, 85c.
Burgundy. Beautiful mixture of purple and carmine; each flower with white throat and violet lines. Pkt. 50 cts., 3 pkts. \$1.25.
Snowstorm Improved. Glistening white; yellow suffusion in throat. Pkt. 35 cts., 3 pkts. \$1, 1/4 oz. \$2.50.

Giant-flowering Double Fringed

Produces double, some semi-double, and a few single flowers, 4 to 5 inches across.
Crimson King **Rose Queen**
Madonna. Pure white. **Copper-Red**
Rose-Pink with White. **Heliotrope**
Each, pkt. 50 cts., 3 pkts. \$1.25
COLLECTION: Pkt. each, above 6 colors, \$2.50
Double Fringed Mixed. (California-grown seed.) Large, fringed flowers. Wide variety of colors. Pkt. 35 cts., 3 pkts. \$1.

Miniature Types

Ball-shaped plants, 6-8 ins. high are covered with flowers 2 inches in diameter, deeply lobed and broad-pointed.
Rose Gem **Pink Gem** **White Gem**
Violet Gem. Rich violet-blue. Each, pkt. 35 cts., 3 pkts. \$1, 1/4 oz. \$1.50,
1/4 oz. \$2.50
Mixed Miniature. Pkt. 25 cts., 1/4 oz. \$1, 1/4 oz. \$1.50.

Ruffled Petunias

Marilyn (Large-throated). A half-dwarf type, erect and robust. The flowers are very large, ruffled and beautiful rich salmon. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25.
Copper-Red. Unusual color; the large wide throat is a darker red. Pkt. 50 cts.
Dwarf Giants of California. Large flowers with yellow throats, heavily marked and delicately veined. Compact and vigorous. Mixed colors. Pkt. 25 cts., 5 pkts. \$1.
Ruffled, Mixed. Flowers 4 ins. across, frilled and ruffled. All colors from white, through pink to red. Compact plants. 10 in. Pkt. 50 cts., 3 pkts. \$1.25.

Washington Petunias

Ruffled and frilled blooms on little bushy plants only 9 inches high. They are just the thing for pots and bedding.

General Washington. The 3-inch trumpets are a rich, velvety, amaranth-red with a glistening reddish black throat.

Martha Washington. Large trumpets are beautiful blush-pink; the center is veined wine-red, deepening to dark violet in the center of the flower.

Each, pkt. 35 cts., 3 pkts. \$1

All-Double

Remarkable in that every seedling will produce double or semi-double flowers, many over 4 1/2 inches across. Height 12 to 15 in.

ALL-AMERICA SILVER MEDAL

America All-Double. Shapely foot-high plants are covered all summer with flowers that look like carnations, 3 1/2 inches across; their color is a pleasing hue of mauve-pink. First of all-double kinds to be produced in America, the seed is very scarce. Winner of top honors in the All-America Seed Trials for 1943. Pkt. 50 cts., 3 pkts. \$1.25.

Blue Brocade. Four-inch flowers of rich violet-blue whose color is fixed and true. They are pleasantly fragrant. Plant is stocky and dwarf.

Daintiness (Apple Blossom). Extra large, very double, and fringed. Color is an entrancing medium tone of pink.

Amaranth. Red.

Gaiety. Rose and white.

Loveliness. Clear pink.

Orchid Beauty. Clear color with veinings of a deeper shade.

White Victorious.

World Beauty. Rose-carmine.

Victorious, Mixed. (10 in.)

Above 9 sorts, each, pkt. 75 cts., 3 pkts. \$2

Single Balcony, Plain-edged

Petunia hybrida pendula

For borders, beds, and rock-gardens; their somewhat spreading habit enables them to festoon themselves over window-boxes, porches and walls. Flowers 3 inches across.

Balcony White. Pure white.

Balcony Rose. Pure rose-pink.

Balcony Crimson. Rich deep crimson.

Balcony Blue. Cornflower-blue.

Balcony Purple. Velvety violet-purple.

Each, pkt. 20 cts., 1/4 oz. \$1, 1/4 oz. \$1.50

COLLECTION: Pkt. each, above 5 colors, 75 cts.

Balcony, Rosy Morn. The most popular color in Petunias, rosy crimson, lightening to a white throat, now available in this series. Pkt. 20 cts., 1/4 oz. \$1, 1/4 oz. \$1.50.

Balcony, Red Wonder. Flowers are nearly 4 inches in diameter and true, clear, bright red, slightly veined darker red, with a near-black center. Pkt. 35 cts., 3 pkts. \$1, 1/4 oz. \$1.50.

Balcony, Mixed. All colors. Pkt. 15 cts., 1/4 oz. 75 cts., 1/4 oz. \$1.25.

Single Bedding (P. hybrida) 1 1/2 ft.

ALL-AMERICA BRONZE MEDAL
Igloo. Here is a startling and beautiful new cream-white Petunia. The 1 1/2-inch diameter flowers have yellowish throats and literally cover the plants all season. Pkt. 25 cts., 5 pkts. \$1.

Radiance. Illustrated in color on the back cover. Flowers are from 2 1/2 to 3 inches in diameter and a brilliant rich rose or cerise, with a salmon undertone. Pkt. 35 cts., 3 pkts. \$1, 1/4 oz. \$1.50, 1/4 oz. \$2.50.

Blue Bedder. Rich, royal blue. Effective when planted in beds. Also as a pot-plant. Pkt. 10 cts., 1/4 oz. 50 cts., oz. \$1.50.

Flaming Velvet. Flowers are a brilliant, velvety scarlet. Outstanding in color, type, and uniformity. Pkt. 25 cts., 1/4 oz. \$1.25, 1/4 oz. \$2.

Hollywood Star. Flowers star-shaped, five-pointed, and rose-pink; creamy yellow throat. Pkt. 25 cts., 1/4 oz. \$1.25, 1/4 oz. \$2.

Pink Beauty. Flowers large, brilliant rose-pink with throat suffused yellow. Pkt. 15 cts., 1/4 oz. 50 cts., 1/4 oz. 75 cts.

Topaz Rose (Rose and Gold). Light cerise-rod or topaz-rose; fragrant. 1 1/2 ft. Pkt. 15 cts., 1/4 oz. 50 cts., 1/4 oz. 75 cts.

Bedding, Mixed. Highly decorative. Pkt. 10 cts., 1/4 oz. 60 cts., oz. \$2.

Dwarf Bedding P. compacta (9-12 in.)

ALL-AMERICA HON. MENTION
English Violet. With this, a new shade is added to a mauve or purple-violet, and invaluable for opening up novel color combinations in flower-bed planting. Pkt. 35 cts., 3 pkts. \$1.

First Lady. Blooms are 2 1/2 inches across and light blush-pink. Compact and uniform. Pkt. 50 cts., 3 pkts. \$1.25.

Celestial Rose. Deep satiny rose with a white throat. Shapely and compact. Pkt. 15 cts., 1/4 oz. 75 cts., 1/4 oz. \$1.25.

Cream Star. Moderately large flowers of a soft cream-white, having an inner star-shaped mark of a darker cream. 15 in. Pkt. 20 cts., 1/4 oz. \$1, 1/4 oz. \$1.50.

Glow. Plant is covered with medium-sized, rose-red flowers with lighter throat. Pkt. 35 cts., 1/4 oz. \$1.25, 1/4 oz. \$2.

Heavenly Blue (Silver Blue). Enchanting shade of light silvery blue. Pkt. 25 cts., 5 pkts. \$1, 1/4 oz. \$1.50.

New Rosy Morn. Rosy crimson flowers, lighter toward the center, with the creamy yellow throat. An improved Rosy Morn. Pkt. 25 cts., 5 pkts. \$1, 1/4 oz. \$1.50.

Rose of Heaven. Rich, brilliant rose, a trifle deeper than Rosy Morn. Pkt. 15 cts., 1/4 oz. 75 cts., 1/4 oz. \$1.25.

Rosy Morn. Carmine-pink; white throat. Pkt. 15 cts., 1/4 oz. 85 cts., 1/4 oz. \$1.50.

Salmon Supreme. Light coral-salmon blooms, about 2 inches in diameter. Pkt. 35 cts., 3 pkts. \$1, 6 pkts. \$1.50.

Velvet Ball. Compact and free-flowering. Flowers 2 1/2 inches in diameter; a deep velvety blood-red. Pkt. 50 cts., 3 pkts. \$1.25.

Violet-Blue. Rich violet within and bright blue without. Compact and covered with flowers all summer. 9 to 12 in. Pkt. 25 cts., 1/4 oz. 75 cts., 1/4 oz. \$1.25.

Compacta, Mixed. Brilliant colorings. Pkt. 15 cts., 1/4 oz. 50 cts., 1/4 oz. 75 cts., oz. \$2.50.

The Annual Phlox

For richness of color and freedom of flowering, these cannot be surpassed. Invaluable for beds and ribbon-gardening. Sow outdoors in May, and they will be a mass of color in July and continue until late autumn. Seeds may be sown indoors in March for flowers in June.

Large-flowering Tall (15 inches)

Brilliant. Finest crimson.
***Chamois-Rose.** Shell-pink.
Isabelliana. Tea-rose-yellow.
Kermesina. Scarlet-striped.
Leopoldi. Rose with white eye.
Splendens. Scarlet, white eye.
***Purple** ***Rich Rose**
***Scarlet** ***White**
 Each, pkt. 20 cts., ½oz. 75 cts., ¼oz. \$1.25
TALL MIXED. Pkt. 15 cts., ½oz. 50 cts.,
 ¼oz. 75 cts., oz. \$2.50
COLLECTION: Pkt. each 5 sorts
 marked (*), 75 cts.

Large-flowering Dwarf

The plants are about 6 inches high.
Fireball. Scarlet. **Snowball.** Pure white.
Mixed
 Each, pkt. 25 cts., ½oz. \$1.25, ¼oz. \$2

New Gigantea Types

Red Glory. Giant-flowering Phlox, excellent for bedding. Clusters of bright light crimson flowers, each with an arresting cream-white eye and 1½ inches across. The color is striking and brilliant. Free and continuous blooming. 1½ ft. Pkt. 25 cts., ¼oz. \$1.25, ½oz. \$2.
Rosy Morn. Each floret is as large as a fifty-cent piece and is brilliant rose in color, with a white center. 1 ft. Pkt. 25 cts., ½oz. \$1.25, ¼oz. \$2.
Salmon Glory. Large salmon-pink flowers, each with a cream-white eye. 10 in. Pkt. 25 cts., ½oz. \$1.25, ¼oz. \$2.
Gigantea, Art Shades. Flowers 1½ inches across and in soft pastel colors. 9 in. Pkt. 20 cts., ¼oz. 75 cts., oz. \$2.50.



Mexican Zinnias

These delightful Zinnias are easy to grow and are excellent cut-flowers. Pkt. 15 cts., ½ oz. 50 cts., oz. \$1.50. Other Zinnias on pages 51 and 57.

Poppies

Annual Poppies should be sown in spring where they are to remain, as they do not transplant readily. Thin to 6 inches. May also be sown in autumn for following year.

Single Annual Poppies

American Legion. This new single Shirley has enormous dazzling orange-scarlet flowers, on long, stout stems. Highly commended by the Royal Horticultural Society of Great Britain. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Shirley Poppies

The Shirley or ghost type is beautiful and graceful. It attains a height of 2½ feet.
Salmon-Pink **Wild-Rose-Pink**
Pure White **Deep Apricot**
 Each, pkt. 15 cts., ½oz. 50 cts., oz. \$1.50
COLLECTION: Pkt. each, above 4 colors, 50c.
Finest Mixed. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

English Scarlet (Papaver Rheas). The Flanders Poppy. Bright red Field Poppy of the European countryside. Pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.
Tulip Poppy (Papaver glaucum). 20 in. Flowers are 3 inches across and resemble the brilliant scarlet Gesneriana tulip. Pkt. 15 cts., ¼oz. 50 cts.

Double Annual Poppies

Cavalcade. (Shirley.) A begonia-flowered double type of a rich orange-scarlet. Gather flowers as the bud is bursting; they open fully and are then ideal for floral arrangements. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.
Sweet Brier. Large double fluted blooms that are a striking deep rose-pink. Pkt. 25 cts., ¼oz. 50 cts., oz. \$1.50.
Double Shirley, Mixed. A new double type with very beautiful and graceful flowers. Pkt. 25 cts., ¼oz. 50 cts., oz. \$1.50.

PHACELIA campanularia (California Bluebell). Annual. Covered with blue flowers all summer. Charming edging plant. 1 ft. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

PHYSALIS Francheti (Chinese Lantern). Perennial. Giant strain. Produces the familiar scarlet lantern fruits. May be had first year from seed if sown early. 2 ft. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50, oz. \$5.

PHYSOSTEGIA virginica (False Dragon-head). Perennial. Bears spikes of delicate lilac, tubular flowers. 4 ft. Pkt. 25 cts.
Virginia alba. Perennial. White; 3 ft. Pkt. 15 cts., ¼oz. \$1.

Platycodon

Balloon Flower; Oriental Bellflower

Perennial. Beautiful hardy plants which produce showy bell-shaped flowers during the whole season. Readily grown from seeds, the plants bloom the second year; give them a sunny position in good soil.

Grandiflorum. Steel-blue; 2½ ft. Pkt. 10 cts., ½oz. 50 cts., oz. \$1.50.

Grandiflorum album. White; 2½ ft. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

Iceland Poppies

Papaver nudicaule

Perennials, which flower the first year. They are graceful, with bright fern-like foliage in tufts, from which issue slender 1-ft. flower-stalks.

Belvedere Beauty. A mixture of new colors: cherry, flame, cardinal, carmine, crimson, pink, rose, apricot, and other hues. Exceptionally large blooms. Pkt. 35 cts., 3 pkts. \$1.

Red Cardinal. A magnificent Poppy, in color the nearest yet to crimson-scarlet. Pkt. 35 cts., ½oz. \$1, ¼oz. \$1.50.

The Emperor. Fine deep tangerine. Flowers are fluted and have a tendency to be semi-double. Strong, wiry stems, 1½ feet long. Pkt. 35 cts., 3 pkts. \$1, ¼oz. \$1.25.

The Empress. Lovely salmon-rose and pink. Fluting and wrinkling make the large flowers appear semi-double. Pkt. 35 cts., 3 pkts. \$1, ¼oz. \$1.25.

Yellow Wonder. This new variety grows 3 feet high. The enormous flowers measure 4 to 6 inches across and are bright buttercup-yellow. Pkt. 35 cts., 3 pkts. \$1, ¼oz. \$1.25.

Coonara Pink. Rose-pink and salmon are blended to give us flowers of rare shades, while the petals are slightly ruffled.

Sanford's Giant Strain, Mixed. Very long stout stems bearing large flowers make this kind invaluable. All colors.

Tangerine. This is a deep tangerine-orange, with flowers of enormous size.

Above 3, each, pkt. 25 cts., ½oz. 60 cts., ¼oz. \$1
Single Iceland Poppies, Mixed. Pkt. 10 cts., ½oz. 50 cts., oz. \$1.75.

Double Iceland Poppies, Mixed. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

Oriental Poppies

(*Papaver orientale*). Hardy Perennials

Sow early in spring. Plants disappear in July and August, appearing again in cool weather. When this fall growth starts, transplant to their permanent flowering quarters.

Princess Victoria. Immense salmon flowers. Pkt. 25 cts., ½oz. 75 cts., ¼oz. \$1.25.

Oriflamme. Gorgeous orange-scarlet.

Scarlet.

Finest Mixed.

Above 3, each, pkt. 15 cts., ½oz. 50 cts., ¼oz. 75 cts.

Royal Poppy (Meconopsis regia). Hardy Perennial. During late autumn and early spring the plants have flat rosettes of very beautiful silvery leaves. In spring, stems are produced bearing large, handsome, yellow flowers on short stalks. Pkt. 50 cts., 3 pkts. \$1.25.

Tibetan Poppies (Meconopsis Baileyi). A perennial 4 feet high, and producing sky-blue flowers. Sow in pans or boxes in a coldframe. Transfer to small pots when large enough, and when the plants are well established put into deep loam and leaf-soil in a moist, well-drained, half-shady position. Seed is very slow to germinate. Pkt. 50 cts., 3 pkts. \$1.25.

POLEMONIUM (Jacob's Ladder). Perennial. Popular border plant, with bell-shaped flowers nearly 1 inch across. 2 ft. May-July.

Cæruleum grandiflorum. Deep blue. Album. Pure white.

Each, pkt. 15 cts., ¼oz. 60 cts., oz. \$2

Gem-Like Portulaca

Sun-Plant

Annual. Ground-hugging plants, 6 inches high, with narrow, fleshy leaves and 1-inch flowers which open only in bright weather; they are as brightly colored as candies in a jar. Of easy culture, thriving best in a rather rich, light loam or sandy soil and sunny situation. Fine for massing in beds, edgings on rockwork, and frequently used to sow broadcast over sunny banks, etc.

Single Grandiflora

Alba. Pure white. **Aurea.** Golden yellow.
Rosea. Beautiful rose **Splendens.** Crimson.
Each, pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50
Finest Mixed. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Double Grandiflora

Alba. White. **Rosea.** Rose.
Salmon. Salmon. **Splendens.** Crimson.
Sulphurea. Yellow.
Each, pkt. 20 cts., 1/4oz. 75 cts., 1/2oz. \$1.25
Finest Mixed. Pkt. 15 cts., 1/4oz. 60 cts., 1/2oz. \$1.

POLYANTHUS (Primula elatior). Perennial. Immense trusses of large flowers on 10-inch stems. Seed is sown in early summer, and the plants transferred to their permanent positions in the autumn. Give a covering of litter over winter.

Mixed Colors. Pure white, through yellow to rich wallflower-red. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$2.50.

Blue Beauty. Excellent strain of the blue Polyanthus Primrose. Pkt. 50 cts., 3 pkts. \$1.25.

Pyrethrum • Painted Daisy

Perennial. The first-named variety is the well-known Golden Feather so much used for carpet bedding; the others are most attractive hardy plants with daisy-like flowers. The two Hybrids which follow are valuable hardy plants for cut-bloom and garden display. Gaily colored daisy-like flowers.

Aureum (Golden Feather; Feverfew). This half-hardy perennial plant, with bright golden leaves, is grown as an annual. Valuable for edging. 6 in. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Single Hybrids, Mixed. Our single strain has been grown specially for us in England. The cosmos-like flowers range in color from the palest pinks to deep red. 2 ft. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Double Hybrids, Mixed. 2 ft. Pkt. 25 cts., 1/4oz. \$1, 1/4oz. \$1.50, oz. \$5.

RANUNCULUS asiaticus. Perennial; treat as an Annual. From a wild, large-flowered type, a variety of reds, yellows, orange, etc., have been produced. Includes singles, semi-doubles, and doubles. 1 ft.

Tecolote Giants, Mixed. Red and yellow.
Palestine Strain, Mixed. A mixture of all colors.

Above 3, pkt. 35 cts., 3 pkts. \$1

RHODANTHE, Mixed. Annual: Everlasting. 1 ft. Pretty edging plant. The flowers are useful for dried bouquets for winter decoration. Easily grown. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

Primula • Primrose

GREENHOUSE PLANTS AND HARDY PERENNIALS

The charming and beautiful classes first described below are among our most important conservatory plants. Seed sown in April will bloom during early winter; August for spring blooming. Sow in shallow pans, in soil consisting of part sand and leaf-mold worked through a fine sieve, and allow for good drainage. Cover seeds lightly, and water frequently; give a temperature of about 65 degrees. Hardy types may be sown in the open ground; mostly they do best in a moist, partly shaded situation.

Primula sinensis fimbriata

Chinese Fringed Primrose

Dazzler. The vivid orange-red of sunset. Very free flowering, often showing as many as twenty of the fringed blooms on a single plant at one time. Pkt. 75 cts., 3 pkts. \$2.
Double Charm. Stocky and shapely plant, blossoms developed well above the leaves. These are very double and somewhat suggestive of Polyantha rose blooms. Their color is creamy rose, with an overtone of apricot-pink. Pkt. 75 cts., 3 pkts. \$2.

Single Sinensis Hybrids, Mixed. New and beautiful shades. Pkt. 75 cts., 3 pkts. \$2.

Primula stellata (Star Primrose)

These are graceful plants and bloom very freely. Mixed. Pkt. 75 cts., 3 pkts. \$2.

Primula malacoides (Baby Primrose)

Brilliance. Opens lavender-pink, changes to crimson-red.

New Baby. Near lavender-pink. Strong grower and largest flowers.

Riverside. True rose-pink. Strong grower.

Rose Beauty. Light rose-pink; deep yellow eye.

Rose Marie. Double. Bright pink; twisted petals.

Salmon Beauty. Beautiful shade of salmon.

Snow King. The pure white the florist has been waiting for.

Snow Queen. Large, perfect, white blossoms.

Wonder Baby. Beautiful shade of pink.

Double White. Double; pure white.

Malacoides, Mixed.

Above 11 sorts, each, pkt. 50 cts., 3 pkts. \$1.25

Giant California Strain

Handsome specimen plants and flowers that are exceptionally large and well formed.

Double Twinkles. Soft flesh-pink.

Enchantress. Soft salmon-rose.

Sweetheart. Bright salmon-pink bordered with a wide band of white.

Above 3, each, pkt. \$1.50

California, Mixed. Fine assortment of colors.

Lavender Glory. Soft lavender blooms 1 1/4 inches across.

Snowflake. Glistening white 1-inch-diameter blooms.

Above 3, each, pkt. \$1

Double Fairy Jewels. Double flowers, with a crested center, 3/4 to 1 inch across; rich rose-pink, slightly lighter at the edges.

One may expect over 90 per cent double-flowering plants. Pkt. \$1.50.

Primula Kewensis

Mixed. Attractive yellow, fragrant flowers. Pkt. 35 cts., 3 pkts. \$1.



Primula sinensis fimbriata

Primula obconica

Our improved strains out rival the old types, the flowers being considerably larger, often measuring 2 inches across.

Wyaston Wonder. Huge heads of immense crimson flowers, and the foliage is believed by the introducer to be non-poisonous—at last a variety safe for those who are allergic to this plant. Pkt. 75 cts., 3 pkts. \$2.

Obconica gigantea

Apple Blossom	Sky-Blue	Crimson
Dark Rose	Lavender	Light Rose
Scarlet	Mixed	

Each, pkt. 35 cts., 3 pkts. \$1, 6 pkts. \$1.75
Rosea Mueller. Bright rose. Pkt. 50 cts., 3 pkts. \$1.25.

Hardy Primulas

Beesiana. Purple; yellow eye; 2 ft. Pkt. 50 cts.

Bulleyana hybrida. Orange, apricot, and carmine shades; 2 ft. Pkt. 35 cts.

Chionantha. White flowers; dark centers, yellow tubes. Fragrant. 20 in. Pkt. 25 cts.

Chungensis. Deep orange-yellow, fragrant flowers. 15 in. Pkt. 35 cts.

Denticulata. Rosy lilac; 1 ft. Pkt. 50 cts.

Florinde. Bears fragrant, yellow, pendent flowers. 4 ft. July, Aug. Pkt. 25 cts.

Helodoxa. Golden; 3 to 4 ft. Pkt. 35 cts.

Japonica alba (Oriental Primrose). White flowers with pink centers. 2 ft. Pkt. 25 cts.

Japonica, Etna. Copper-red; 2 ft. Pkt. 50c.

Japonica splendens. Blood; 2 ft. Pkt. 35 cts.

Japonica, Choice Hybrids, Mixed. Bright, showy flowers. 2 ft. Pkt. 25 cts.

Lissadel, Red Hugh. Fiery madder-red. 1 ft. Pkt. 35 cts.

Microdonta alpicola. Yellow flowers, with powdered white throat. 1 1/2 ft. Pkt. 25 cts.

Sieboldi. Pink and rose shades. 6 in. Pkt. 75 cts., 3 pkts. \$2.

Sikkimensis (The Sikkim Cowslip). Pale yellow; fragrant. 1 1/2 ft. Pkt. 35 cts.

Veris, Mixed (English Cowslip). 1 ft. Pkt. 20 cts.

Vulgaris. The true English Primrose. Canary-yellow; fragrant. 6 in. Pkt. 25 cts.

Waltoni. Dark red, wine-colored, glossy flowers. 15 in. Pkt. 50 cts.

RUDBECKIA • Coneflower**Annual Varieties**

Starlight. Large free-blooming, semi-double hybrids. The flowers vary somewhat, some being double, others single, some midway. Colors range from primrose to mahogany, and the new type will be found valuable for floral arrangement. 3 ft. Pkt. 25 cts., 1/4oz. \$1.50, 1/2oz. \$2.50.

Kelvedon Star. The flowers are orange or yellow, and all have dark brown centers. 3 ft. Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50.

My Joy. Bright orange 5-inch flowers. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Golden Sunset. Large golden flowers with dark red band. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Indian Maid. Golden yellow blooms with mahogany zone; quilled florets. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Perennial Varieties

Hirta Hybrids, Mixed. Sown indoors in March, they bloom same summer. Flowers are large, single, and each is of only one color; from deep mahogany through bronze and orange to yellow. 2 ft. Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50.

Bicolor superba. Yellow with brown center; 3 ft. Pkt. 10 cts., 1/4oz. 50 cts.

Newmani. Orange with purple cone; 3 ft. Pkt. 10 cts., 1/4oz. 50 cts.

Purpurea. Reddish purple; 4 ft.

Above 2, each, pkt. 15 cts., 1/4oz. 75 cts.

SALPIGLOSSIS • Painted Tongue

Annual. The funnel-shaped blooms reveal exquisite markings running through the groundwork. Sow in open in spring, or earlier in a sunny window, and transplant.

Superbissima Hybrids

ORCHID-FLOWERING (Height 3 feet)

Brown and Gold	Purple and Gold
Crimson	Scarlet and Gold
Light Blue and Gold	Rose and Gold
Primrose	Velvety Violet

Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

COLLECTION: Pkt. each, above 8 colors, \$1

Finest Mixed. A mixture of all the above shades. Pkt. 10c., 1/4oz. 35c., oz. \$1.25.

New Dwarf Giant-flowering

Height 2 feet

Khaki Yellow	Brown and Gold
Blue and Gold	Velvety Crimson
Bright Scarlet	Scarlet and Gold
Red Star Chamois	Blue and Silver
	Velvety Violet

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

Dwarf Giant-flowering, Mixed. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

SANVITALIA procumbens fl.-pl. Annual.

Useful in beds, edges of borders, or in vases. Showy, double, yellow flowers. 6 in. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

SAPONARIA ocyroides. Perennial. A hardy rock-plant producing masses of small, bright rose flowers. 9 in. Pkt. 10 cts., oz. 60 cts.

Vaccaria, Rose. Annual. Satiny pink flowers somewhat like an enlarged gypsophila. 2 ft. Pkt. 10 cts., oz. 30 cts.

Vaccaria, White. Pkt. 10 cts., oz. 30 cts.

SALVIA • Scarlet Sage

Annals, except where otherwise noted

Familiar bedding plants, covered with bloom throughout the summer. Sow seeds from February to April indoors.

Ostrich-Plume (Double Salvia). The habit resembles the Splendens type but the bush is well covered with plumes of blossoms. As a cut-flower, one of these scarlet plumes alone makes a delightful decoration. 2 ft. Pkt. 25 cts., 5 pkts. 1, 1/4oz. \$1.50.

Harbinger. A true, dwarf, large-flowering Salvia which commences blooming in July from early-sown seed. Beautiful symmetrical plants, densely clothed with long sprays of large, brilliant scarlet flowers. 15 in. Pkt. 25 cts., 1/4oz. \$1.25, 1/2oz. \$2.

America or Globe of Fire. Bushy plants with large spikes of brilliant scarlet flowers thrown well above the plant. 2 ft. Pkt. 25 cts., 1/4oz. \$1.25, 1/2oz. \$2.

Scarlet Dragon. Improved Splendens type; flowers are nearly double the size, closely crowding the immense spikes. 2 1/2 ft. Pkt. 15 cts., 1/4oz. 75 cts., 1/2oz. \$1.25.

Splendens (Scarlet Sage). Bright scarlet. 2 1/2 ft. Pkt. 10 cts., 1/4oz. 75 cts., oz. \$2.50.

Bonfire. Compact bushes produce brilliant scarlet flowers. 2 1/2 ft. Pkt. 10 cts., 1/4oz. 75 cts., 1/4oz. \$1.25, oz. \$4.

Zurich. Valuable because of its earliness. 2 ft. Pkt. 25 cts., 1/4oz. 1, 1/4oz. \$1.75.

Blaze of Fire. The dwarfest of all bright scarlet Salvias, and by far the most brilliant. Ten to fourteen days earlier than the varieties used hitherto; the best bedding variety. 1 ft. Pkt. 50 cts., 3 pkts. 1, 1/2oz. \$3.50.

The Welwyn Salvias

These are 3 feet high and are entirely covered with large blossoms. Invaluable for green-garden effect before the blooming period. The seed should be sown in early spring in flats and transplanted in the usual manner. Plants set out in early summer grow quickly, but to get the best results for late autumn bloom they should be pinched back.

Welwyn Pink. A charming hue.

Welwyn White. Perfect pure white.

Each, pkt. 35 cts., 3 pkts. \$1

Purple Splendens. Uniform; covered with purple flowers. 2 1/2 to 3 ft. Pkt. 25 cts., 5 pkts. 1, 1/4oz. \$1.50.

Patens (Blue Sage). Deep blue. Beautiful garden or greenhouse tender perennial. 2 ft. Pkt. 15 cts., 1/4oz. 75 cts., 1/4oz. \$1.25.

Scalaria (Clary). Perennial, treated as an Annual. Curious lavender bracts. 2 ft. Pkt. 15 cts., 1/4oz. 50 cts.

Salvia Farinacea

Perennial, treated as an Annual

Seeds sown in April bloom from July to October.

Farinacea. Light blue. 2 1/2 ft. Pkt. 15 cts., 1/4oz. 60 cts., 1/4oz. \$1.

Blue Bedder. Compact, and deeper blue. Fine for cutting. 3 ft. Pkt. 25 cts., 1/4oz. \$1, 1/4oz. \$1.50.

Royal Blue. New. Tall bushy plants, topped with an abundance of intense blue flowers. 2 1/2 to 3 ft. Pkt. 35 cts., 3 pkts. 1, 1/4oz. \$1.50.

SCABIOSA

Mourning Bride; Pincushion Flower

Beautiful plants with beehive-shaped flower-heads, growing about 2 1/2 feet high and in bloom mostly from early in July until frost. Sow seeds in the open in spring.

Tall Annual Varieties

COLLECTION No. 27B: Pkt. each 6 sorts below marked (*), 50 cts.

***Blue Moon.** See illustration on back cover. The large, double flowers are cone-shaped, 2 1/4 inches in diameter, and are a rich deep lavender-blue color. Invaluable for the home-garden and as a florists' cut-flower. Large columnar plants, 3 1/2 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Cattleya. A new shade—rich rosy lilac of the beautiful orchid tone. Large flowers.

Loveliness. The blooms range through varying tones of soft delicate rose. Unsurpassed as a cut-flower, having long, stiff stems and delightful fragrance.

Peach Blossom. New shade of peach-blossom-pink. Flowers large, borne on long stems, and excellent for cut-blossoms.

***Rosette.** Beautiful deep rose, suffused with salmon; extra-large flowers.

***Salmon Beauty.** Vigorous plant and enormous flowers. Color is pure salmon.

***Shasta.** Pure white, with immense blossoms 3 to 4 inches in diameter.

Orchid Shades, Mixed. Blooms are large and on long stems; colors include mother-of-pearl pink, light pink, dark pink, mauve, crushed strawberry, and others.

Above 7, each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

Distinct Colors

King of the Blacks. Purplish black.

***Rich Red** ***Yellow**

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

Tall Mixed

Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

Semi-Dwarf Varieties

Heavenly Blue. Ideal bedding variety because the plants are compact and the flowers are on short stems. They are cone-shaped and a lovely shade of azure-blue. A very early sort, 1 1/2 feet high.

Midnight. Dark maroon—almost black. Other than in color this fine new variety is identical with the variety below.

Peace. Fully double, white; ideal for displaying with a dark sort. Beehive-shaped flowers are 1 1/4 inches across.

Above 3, each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

Perennial Varieties

Giant Hybrids (Isaac House Strain), Mixed. Larger flowers on longer stems. The colors are varied: lilac, lavender, violet, purple, mauve, light and dark blue, and white. 3 ft. Pkt. (50 seeds) 35 cts., 1/4oz. \$1.25, 1/2oz. \$2.

Caucasica (Blue Bonnet). Especially valuable for cutting; lilac-blue. 3 ft. Pkt. 15 cts., 1/4oz. 60 cts., 1/4oz. \$1.

Japonica. Bushy plants 2 1/2 feet high, bearing beautiful, lavender-blue flowers. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

SAXIFRAGA cordifolia. Perennial. Well-known rock-garden plant with pink flowers. 9 in. Pkt. 35 cts., 3 pkts. \$1.

6 Outstanding ZINNIAS for Every Garden

Sow in the garden and thin to a foot or more. For earliest flowers, start indoors in pots or boxes and transplant in May.

FIVE FANTASY ZINNIAS

On 33-inch plants are lovely 3-inch blooms—shaggy, waved and frilled. Five colors:

WILDFIRE. Scarlet. **WHITE LIGHT.**
ROSALIE. Rose. **ORANGE LADY.**
STARDUST. Golden yellow.

Each, pkt. 15 cts., 1/4oz. 50 cts.

COLLECTION: Five pkts., one each of the above, 60 cts.

MIXED FANTASY. All shades.
Pkt. 10 cts., 1/4oz. 35 cts.,
oz. \$1.25.



STARDUST



WILDFIRE

ZINNIA LINEARIS

Ten inches high and spreading 2 feet, the plant is covered with the single daisy-like flowers shown here.

Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50.



ZINNIAS, CROWN O'GOLD Pastel Tints

New Giant Strain

A mixture. Each large bloom, as in all Zinnias, is composed of individual florets. In Crown o'Gold, the base of each floret, at the center of the flower, is gold but the outer halves vary; in one flower it is pink or in another salmon or apricot, buff, peach, white or cream.

Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

MIDGET ZINNIAS

Small plants bearing little flowers, perfect in shape and entrancing in color; excellent for prize-winning floral displays. Seven colors available:

*CANARY *GOLDEN *SALMON
*SCARLET *CRIMSON *PINK
WHITE

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

COLLECTION: Six pkts., one each of the colors marked *, 50 cts.

MIDGET MIXED. All tints. Pkt. 15 cts.,
1/4oz. 60 cts., oz. \$2.

MEXICAN ZINNIAS

Mixed

Splendid cut-flower sorts shown on page 48. (Not illustrated here.)

Spreading plants have cone-shaped flowers, double, semi-double and single in shades of yellow, red or brown; some are spotted or striped.

Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50



CROWN O'GOLD ZINNIAS, PASTEL TINTS



MIDGET ZINNIAS



SCARLET
FLAME

GIANT DOUBLE DAHLIA-FLOWERED

Three-foot plants, and the flowers average 6 inches across. The following hues enable you to devise charming color combinations:

*CANARY BIRD. Yellow.

*EXQUISITE. Rose.

*POLAR BEAR. White.

*CRIMSON MONARCH.

*GOLDEN DAWN.

*SCARLET FLAME.

*DREAM. Lavender-blue.

*ORIOLE. Orange and gold.

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

COLLECTION: One pkt. each of the four marked *, 50 cts.

MIXED DAHLIA-FLOWERED. All shades. Pkt.
15 cts., 1/4oz. 50 cts., oz. \$1.50.

Montbretia or Blazing Star

This easily-grown plant stands 30 inches high and blooms from July until frost; the flowers are ideal for cutting.

Bulbs may be planted outdoors during April and May. They survive an average winter around New York, if you give them a 6-inch blanket of leaves; but it is better to play safe and dig them up in the late autumn, just as you lift your begonias, cannas, dahlias or gladiolus.

S. & W. CO'S JEWEL MIXTURE.

Comprises bright gold, pale gold, yellow, orange, apricot and bright scarlet. Many of the flowers have blotches of a deeper shade. 80 cts. for 10, \$7 per 100.

Multiflora Hybrid BEGONIAS

Tuberous-Rooted—New

Multiflora means many-flowered, and the 15-inch plants are covered with double and semi-double blooms throughout the summer, measuring 2 to 3 inches across and most brilliant.

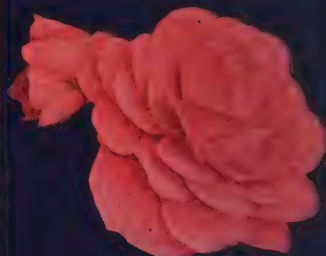
You should plant them in the less sunny corners of your shrub border, perennial beds or the annual garden; they thrive in full light also, and do especially well in New England and the North. Most effective when grown in broad masses.

Plant them in the open when warm weather has arrived and lift the tubers before the ground freezes.

Colors: Rose, Pink, Red, Orange, Salmon, White. Any of these, 35 cts. each, \$3 for 10, \$25 per 100. **COLLECTION B42: 6 tubers, one each of the above colors, \$1.75**



Other choice Bulbs (All American-grown) are described and offered on pages 59 to 68.



SCHIZANTHUS

Fringe Flower; Butterfly Flower

Annual. Heads of pretty, irregularly shaped, notched and blotched flowers, like small butterflies. Although grown largely as a greenhouse plant, it is also of easy culture outdoors.

Canadian Super-Giants. Blooms 2 inches across. Rich colorings and unusual markings; distinct. Pkt. \$1, 3 pkts. \$2.50.

Dwarf Hybridus grandiflorus. Compact habit; great range of bright, pretty colors. 1 ft. Pkt. 25 cts., 1/2oz. \$1, oz. \$3.50.

Giant-flowering Hybrids, Mixed. Used by many professional gardeners and florists as a splendid pot-plant and cut-flower. 15 in. Pkt. 50 cts., 3 pkts. \$1.25.

Pansy-flowered. Medium-sized round flowers shaped like a pansy. In self colors, each with a light center; fine color-range. 14 in. Pkt. 50 cts., 3 pkts. \$1.25.

Snowflake. Large, pure white, fringed flowers. Pkt. 50 cts., 3 pkts. \$1.25.

Wisetonensis. Beautiful appearance, with its myriads of blooms, the ground-color of which is white, dotted with rose. 15 in. Pkt. 25 cts., 5 pkts. \$1, 1/2oz. \$2.

SEDUM (Stoncrop). Perennial. Dwarf hardy plants for the rock-garden and for carpet bedding.

Album. White; 6 in.

Spurium. Rose; 6 in.

Stoloniferum coccineum. Scarlet; 6 in.

Each, pkt. 35 cts., any 3 pkts. \$1

SENECIO clivorum, Orange Queen (Groundsel). Perennial. Forms a neat clump 4 feet high, on which develop yellow flowers. Pkt. 25 cts., 1/2oz. \$1, oz. \$3.50.

Elegans (Purple Ragwort). Annual. Groundsel-like lavender flowers. 2 ft. Pkt. 10 cts., 1/2oz. 50 cts., oz. \$1.50.

SHAMROCK. (True Irish.) Sow under glass around January 10 to have a supply of plants in pots by March 17. Pkt. 10 cts., 1/2oz. 25 cts., oz. 75 cts.

SIDALCEA (Checkerbloom). Perennial. Erect, mallow-like plants of easy culture.

Stark's Hybrids. Brightly colored. Useful for cutting. Pkt. 25 cts., 1/2oz. \$1.

SILENE pendula, Mixed (Catchfly; Campion). Annual. Clusters of flowers, each about 1/2 inch across, and red, pink, or white. 6 in. Pkt. 10 cts., 1/2oz. 30 cts.

Schafta (Autumn Catchfly). Perennial. Bright pink flowers from July to September. 4 to 6 in. Pkt. 15 cts., 2 pkts. 25 cts.

SOLANUM Capsicastrum (Jerusalem Cherry). Greenhouse Plant. Dwarf, branching plants; bright scarlet globular berries. 1 ft. Pkt. 15 cts., 2 pkts. 25 cts.

Capsicastrum, Fra Diavolo. Greenhouse Plant. Compact growth, with smaller and lighter foliage. Pkt. 25 cts., 5 pkts. \$1.

Clevelandi. Compact plant with small, ovate leaves and a profusion of round scarlet fruits. Pkt. 15 cts., 1/2oz. 50 cts., oz. \$1.50.

STAR OF TEXAS (*Xanthisma texanum*). Sow in the open in spring, thin or transplant to 1 foot apart. Grows 1 1/2 feet high and produces showy yellow daisy flowers 2 inches across with narrow florets. Good for open spaces and poor soil. Pkt. 35 cts., 3 pkts. \$1, 1/2oz. \$1.50.

STEVIA serrata (*Piqueria trinervia*). Greenhouse and Bedding Plant. Fragrant, pure white flowers. Excellent for cutting. 2 ft. Pkt. 25 cts., 1/2oz. \$1.

STATICE • Sea Lavender

Annual and Perennial: Everlasting. Cloud-like flowers make borders gay, while they blend well with other Everlastings in winter. Sow outdoors in May.

Annual Varieties

Sinuata, Kampf's. Large blue flowers. Pkt. 15 cts., 1/2oz. 35 cts., oz. \$1.25.

Sinuata, Rose Superba. Rose; 2 ft.

Sinuata, Blue. Rich deep blue; 2 1/2 ft.

Sinuata, White. Excellent for dyeing.

Sinuata, Yellow (*S. Bonduelli*). 3 ft.

Sinuata, Mixed.

Suworowi. Cloud-like masses of rose; 2 ft.

Each, pkt. 10 cts., 1/2oz. 30 cts., oz. \$1

Perennial Varieties

Caspia. Pyramidal habit; graceful. Lavender-blue flowers. 2 1/2 ft. Pkt. 15 cts., 1/2oz. 60 cts., 1/2oz. \$1.

Mixed Perennial Sorts. Pkt. 15 cts., 1/2oz. 60 cts., oz. \$2.



Stocks, Early Giant Imperial

STOKESIA cyanea (Cornflower Aster). Perennial. Bears from 20 to 30 handsome lavender-blue cornflower-like blossoms which often measure 3 to 4 inches in diameter. Blooms from July till frost. For the perennial border and for cutting. 2 ft. Pkt. 15 cts., 1/2oz. \$1.

ALPINE STRAWBERRIES. From Seed. An abundance of small but exceedingly sweet berries may be obtained within 12 weeks of sowing seed. Sow indoors in February or March; keep moist and shaded. Plant out in early May.

Baron Solemacher. Red fruits.

Baron Solemacher. Yellow fruits.

Each, pkt. 35 cts., 3 pkts. \$1

Plants of Alpine Strawberries (red fruits only), ready April 1, \$1.50 per doz., \$8 per 100.

STRELITZIA Regine (Bird-of-Paradise). Majestic greenhouse perennial with remarkable orange and blue flowers. 6 ft. Pkt. (10 seeds) \$1.50.

STOCKS

Fragrant and showy plants of simple culture. For the garden and greenhouse.

Early Giant Imperial Stocks

These bloom very quickly and continue through the summer. Plants are of branching habit, 2 to 2 1/2 feet high.

***Antique Copper.** Rich hellebore-red, overlaid with copper. Fully double.

***Buttercup.** An improved new yellow Stock of a rich deep tone.

***Elk's Pride.** An intense royal purple; sweetly perfumed, double flowers.

***Shasta.** A new, glistening, giant white, with longer stems and more blooms to the stem.

***Chamois-Rose** **Blood-Red**
Apple Blossom **Deep Rose**
Dark Blue **Old-Rose**

***Lavender** **Mixed**

Each, pkt. 25 cts., 1/2oz. 75 cts., 1/2oz. \$1.25

COLLECTION:

Pkt. each of 6 varieties marked*, \$1.25

NON-BRANCHING or COLUMNAR TYPE. For greenhouse forcing. A high percentage of double flowers are carried on the handsome, single-stem plants. 3 feet.

Gardenia. Waxy white.

Yellow Wonder. Cream-yellow.

Chamois-Rose **Pure White**
Crimson **Ruby**
Deep Rose **Silvery Lilac**
Lilac-Lavender **Mixed**

Moonlight. Yellow.

Each, pkt. 75 cts., 3 pkts. \$2

SUPER-GIANT IMPERIAL STOCKS.

Basal-branching, each plant produces twelve giant flower-spikes. Individual florets are double and 2 inches across. Height, 3 feet.

Fiery Red. Each plant produces a dozen or more spikes, with double, flame-color flowers.

Blush-Pink **Rose Charm.** Rich deep rose.

Dark Blue **Roselight.** Rose-pink.

Above 5, pkt. 35 cts., 1/2oz. \$1.25, 1/2oz. \$2

Giants of California

Ideal new greenhouse type with long flower-spikes. 70% double-blooming plants may be looked for. Quick-growing, immense florets, and especially good colors.

Mojava. The deep velvety purple flowers are double.

Monterey. Beautiful pink; splendid variety.

Golden Gate. Yellow. **Pacific.** Blue.

Redwoods. Blood-red. **Tahoe.** Lavender.

Santa Barbara. Chamois. **Yosemite.** Rose.

Santa Maria. White. **Mixed.**

Sequoia. Rose-carmine.

Each, pkt. 35 cts., 1/2oz. \$1, 1/2oz. \$1.75

Special Cultural Note

Stocks for outdoor blooming should be sown early so as to reach the bud stage before the average temperature exceeds 60° F., otherwise the bud very often will not develop and an excessive leaf-growth will result.

STREPTOCARPUS, S. & W. Co.'s New Hybrids, Mixed (Cape Primrose). Greenhouse Plant. Flowers about 2 inches in diameter, with long, tube-like corollas, borne in clusters of six to eight. Colors varied. Somewhat resembles the gloxinia. Pkt. 50 cts., 3 pkts. \$1.25.



Early- or Winter-Flowering Sweet Peas

Popular as greenhouse subjects, they may be sown also in the garden in spring for earliest bloom outdoors. They are particularly adapted to sections where the Summer-flowering Spencer varieties have not proved satisfactory. In our southern states, if sown during the early fall months, they will produce flowers during the winter and continue until killed by the heat of summer.

Outstanding Varieties

Early Dawn. Ideal for home decoration because it glows under electric light; good in the daytime also. The color is pure, deep chamois-pink on a base of cream. Long, tough stems, the beautiful large flowers usually appearing in fours.

Early Geranium. On a clear cerise is an overlay of salmon. The flowers are often duplex, always large, and on very long stems.

Early Magic. A free-flowering and robust sort. The blooms are duplexed, large, usually come four to a stem, and are "Chinese violet" in color—between mauve and rosy lavender.

Above 3, each, pkt. 15 cts., 1/2 oz. 40 cts., oz. 75c.

Azalea Pink. Large blooms, chamois-pink in color, warm and positive, are carried on long, strong stems. Distinct and superior variety.

Early Daphne. Usually carries four flowers on a stem. In color it is a soft salmon-pink on a deep cream ground. Awarded Silver Medal, New York Flower Show.

Hiawatha. A thrifty habit of growth, good size and extreme beauty combine in this new long-stemmed sort. An effective rose-pink.

Hortus Queen. Robust sort, developing long, strong stalks, bearing the most perfect Spencer blooms, strongly ruffled and bright rose on a light yellow ground.

Pearl Buck. Beautiful rich rose, with an orange suffusion on the standards which are duplexed.

Peeress. Thrifty plant, developing a large crop of blooms, mostly four on a stalk. Charming tint of bright rose-cerise.

Princess Blue. Vigorous, husky growth is characteristic of the vines; they carry large, bold flowers of a rich belladonna-blue.

Red Giant. True crimson flowers, with the luster and warmth of an orange-scarlet. The best of this class introduced to date, for there is only a minimum amount of white on the base of the keel.

Skippy. The color is salmon-pink, and four or five blooms on each stalk may be expected.

Treasure Island. Orange blooms are semi-duplexed, 2 1/2 inches across, often 4 on each 15-inch stem.

White Giant. Purest white flowers, large and waved. White seed.

World's Fair. Flowers ruffled and mostly duplexed. The color is bright gold, overlaid with fawn, giving a light fawn-pink effect.

Other Good Sorts

Blue Bonnet. Clear deep blue.

Early Majestic Rose. Deep rose-pink.

Early Mars. Ox-blood-crimson.

Evening Star. Orange-scarlet.

Iris Blue. Deep blue; wings lighter.

Lavanda. Pure lavender.

Shirley Temple. Soft rose-pink.

Tahoe. Mid-blue.

Top Hat. Deep violet.

Valencia. Bright orange; sunproof.

Virginia. Rose on white ground.

White Harmony. Fine black-seeded white.

Early-flowering Mixed.

All above Sweet Peas, except first three, each, pkt. 15 cts., 1/2 oz. 30 cts., oz. 50 cts.

Spring-Flowering Sweet Peas

These fine new varieties come into flower more quickly than the Summer-flowering Sweet Peas, but take several weeks longer than the early-flowering or greenhouse types. They may be grown either outdoors or under glass with equal ease. They stand heat better; the flower-stems are long and the blooms are large and fluted.

The first colors to be developed were rose-pink, blue and lavender; they were All-America winners when introduced three years ago. Other equally meritorious colors have been added since.

Black-Seeded Cream. Beautiful, large, pure, deep cream blooms on long stems. Vigorous plant, staying in bearing well.

Black-Seeded White. The large blooms on long, strong stems are pure white. Ideal commercial sort for growing under glass, as well as for professional and amateur culture indoors.

Deep Maroon. The large flowers are a dark, smoky chocolate with a silken overcast, producing an effect that is most striking. A long-bearing, vigorous plant. The blooms usually appear in fours on long stems.

Light Blue. The flowers appear mostly in fours on very long stems and are a clear, silvery light blue. Husky plant.

Light Carmine. Long stems carry four fair-sized handsome blooms. On a base of cream there is an overtone of carmine and rose-pink, producing a wonderful effect under electric or candlelight.

Light Cream-Pink. Particularly strong-growing plants, bearing an abundance of huge flowers on long stems. On a cream or yellow undercoat is spread a delicate apple-blossom-pink.

Navy Blue. Here is the actual naval shade of deep, true blue in large, wide-open flowers; they are set on stems that will surprise you because they are so long.

Purple. A regal shade of purple, glossy, glowing rich and clear. Four-bloom sprays on long stems are the usual thing. Husky plant.

Above 8, each, pkt. 25 cts., 1/2 oz. \$1, oz. \$1.50
COLLECTION No. 36SP: One pkt. each
of the above 8 colors, \$1.50

Rose-Pink Lavender
Clear Pink Mauve
Blue

Above 5, each, pkt. 15 cts., 1/2 oz. 35 cts.,
oz. 60 cts.

English Floral Perfumes by Atkinson of Old Bond Street. See page 84.

Summer-flowering Sweet Peas

For Growing in the Garden

CULTURE.—Sow seed as soon as the ground can be worked in the spring. Dig a trench about a foot wide and deep, and fill in with soil and rotted stable manure in equal parts, or soil with one-third Humus mixed with it and some General Garden Fertilizer added. Tread down firmly. Draw a single straight line in the middle of the prepared surface, about $\frac{1}{4}$ inch deep; sow seed at even distances of about 3 inches, and cover. When the plants grow about 3 to 4 inches high, thin out to 6 inches from each other. Before the vines reach a height of 8 inches, proper supports should be provided.

The Sweet Pea is a moisture-loving plant, and by the month of May the plants will require water. Dress with Mulch-o-Nure, old stable manure, Sawdure or peat moss and soak well as needed.

***Affection.** Very sweet and graceful, coral-pink on cream, growing strongly and producing its flowers on long stems.

***Ambition.** One of the best of the large-flowered lavender sorts. Waved flowers.

Bountiful. Fine new Multiflora type, bearing sometimes 7 large flowers on long stems. Mid-blue; silver-blue at the margins.

***Capri.** Perhaps the finest light blue ever introduced. The color is clearer and the flowers are larger than existing varieties.

Charity. Splendid rich brilliant crimson which does not burn in the sun.

***Chinese Blue.** Both standard and wings are deep blue. Stems are exceptionally long and usually bear four flowers. Strong-growing; blooms larger than average.

***Crony.** Robust golden salmon. Certificate of Merit, Scottish Sweet Pea Society.

Daddy Long Legs. Veined and flushed bright scarlet. Strong plant and the stems, each with four flowers, are so long as to suggest its name.

***Diana.** Immense flowers, in color a delicate rose-pink on a cream ground. They are duplexed and are carried on long stems.

Discovery. The color is very bright and deep chamois-pink and the blooms are enormous.

***Golden Dragon.** Duplex sort of great merit. The standard is bright orange while the wings shade to a deeper orange-rose.

***Grandeur.** Shell-pink on white. The vigorous plant blooms continuously.

Ideal. Won Certificate of Merit, Scottish Sweet Pea Trials. Usually has four big rose-cerise duplexed blooms on wiry stems. A splendid sort.

***Mastercream.** The stems are long, and they carry beautifully frilled flowers, most of which are duplexed and cream in color. Black seed.

***Model.** A very large-flowering white with long stems. The blossoms are well waved. Seed is black.

Pinkie. Strong stems bear a profusion of flowers throughout the season. Deep rose-pink.

***Prolific.** Multiflora type. Clusters of 5, 6, or 7 medium-large flowers. Standards rose-pink, outside of wings a shade deeper.

Rarity. On a white ground, the standard and wings are faintly flaked, while the back of the standards and wings are almost solid orange-cerise.

Royal Purple. The finest rich purple. Large-flowering.

Ruffled White. A chaste white flower, frilled and ruffled. Splendid novelty, and invaluable for the grower of cut-flowers.

Salmon Gigantic. The plant is vigorous and the flowers are enormous, waved and frilled. A delicate salmon-pink hue, rich and bright.

The Sultan. Almost black—deep silky maroon. Large flowers on long, strong stems.

***Welcome.** Brilliant and dazzling scarlet self. Wings are the same shade as the standard.

Above Sweet Peas, each, pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.25

Collection of Outstanding Summer-flowering Sweet Peas

Twelve packets, one each of the recent introductions of merit, distinguished in the preceding list with an asterisk (*) **\$1.00**

Grand Prize Mixture Giant Summer-flowering Sweet Peas

We have made a carefully balanced selection of all colors and varieties of our Summer-flowering Sweet Peas for this mixture, using only the finest ruffled and long-stemmed sorts. For general use and garden display, Sweet Pea mixtures of this high type are quite satisfactory. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.25.

Special Color Collection of Sweet Peas, Ten Colors

For the gardener who desires to grow the best Sweet Peas, but is not interested in names. Each is the most pleasing of its color, with long flower-stalks, suitable for house decoration. Each is robust, and a sort which, under favorable conditions, produces sprays of three and four fragrant blossoms.

Cream Lavender Purple	Cream-Pink Blue White	Scarlet Salmon-Pink Carmine
Light Pink		

Each, pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.25

SPECIAL COLLECTION 75c
One pkt. each of these 10 distinct colors

SWEET WILLIAM (*Dianthus barbatus*)

Biennial. Well-known, attractive plant flowering the second season from seed. Sow outdoors in May; transplant in August.

TALL VARIETIES. $1\frac{1}{2}$ ft.

Single White.

Single Dark Crimson.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50

Single, Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Double, Mixed. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Newport Pink. $1\frac{1}{2}$ ft. Watermelon-pink, brilliant and beautiful. Flowers on long stems. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

Scarlet Beauty. Rich, deep scarlet; vivid. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Holborn Glory. Large auricula-eyed flowers. All show a clear white eye; truly superb. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

DWARF VARIETIES. 9 in.

Single, Mixed. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

Double, Mixed. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Annual Sweet Williams. Sown indoors during March, these will bloom freely the first year. 9 in. Mixed colors. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

TAGETES signata pumila, Little Giant.

Annual. Compact plant, with fern-like leaves. Covered with flowers of bright yellow, striped brown. 10 in. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Gnome. A large-flowered variety with beautiful golden yellow flowers. 6 in. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

TAHOKA DAISY. Sow in the open in early spring to produce plants which will bear $1\frac{1}{2}$ -inch blue daisies from July to October. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

TEUCRIUM Chamaedrys (Germander). Perennial. Glossy gray foliage and small pink flowers. 8 in. Pkt. 25 cts., 5 pkts. \$1.

THALICTRUM aquilegifolium (Meadow Rue). Perennial. Columbine-like leaves. Small rosy purple flowers. June, July. 3 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Dipterocarpum. A gem; attractive in the garden and invaluable for cutting. Flower sprays are violet-mauve, brightened by a cluster of lemon-yellow stamens. 3 ft. Pkt. 25 cts., $\frac{1}{4}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

THERMOPSIS. Perennial. Striking plant, producing long spikes of yellow blossoms. June, July.

Caroliniana. 4 ft. **Montana.** 2 ft. Each, pkt. 25 cts., 5 pkts. \$1

THUNBERGIA, Mixed (Black-eyed Susan). Annual Climber. Beautiful, rapid-growing climber, preferring a warm, sunnysituation. Very pretty flowers in buff, white, orange, etc., with dark eyes. All colors. 4 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

TITHONIA speciosa (Mexican Sunflower). Annual. Early-flowering strain. May be sown under glass and transplanted, or later in the open. Shrub-like plant 8 feet high. The orange-colored, daisy-like flowers are 3 to 4 inches in diameter. Pkt. 15 cts., $\frac{1}{4}$ oz. 40 cts., $\frac{1}{4}$ oz. 75 cts.

TRACHELIUM caeruleum (Throatwort). Greenhouse plant, or perennial needing winter mulch. Flowers same year seed is sown. Blue bell-shaped flowers. 2 ft. Pkt. 25 cts., 5 pkts. \$1.

TRIPTERIS, Dwarf. Spreading mats of foliage $2\frac{1}{2}$ feet in diameter and a foot high, bear 2-inch golden, brown-eyed, orange daisies. They are on long stems and thus are suitable for cut-flower purposes; they will make an unusual flower-bed. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

TRITOMA (Flame-Flower; Poker-Plant; Torch-Lily). Perennial. Spikes of dazzling tubular flowers. Will live through winter with a covering of leaves; or the roots may be carried over in sand in a cellar. Mixed Hybrids. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

TROLLIUS (Globe Flower). Perennial. Like immense buttercups, these striking plants are very effective in the mixed border. They bloom from May to August.

Golden Queen. Enormous, buttercup-like golden flowers 4 inches across. Award of Merit, R. H. S., England. 4 ft. Pkt. 35 cts., 3 pkts. \$1.

Mixed. Shades of orange, yellow and gold. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.



Verbena, Blue Sentinel

TUNICA Saxifraga (Tunic Flower). Spreading perennial for the rock-garden and for edging. Covered with small lilac-pink blossoms. 8 in. Pkt. 35 cts., 3 pkts. \$1.

URSINIA anethoides (*Sphenogyne anethoides*). Annual. Excellent for edgings. The orange, daisy-like flowers have purple and black centers. 1 ft. Pkt. 15 cts., 1/2 oz. 75 cts., oz. \$2.50.

Anethoides, New Hybrids, Mixed. Annual. 1 1/2 ft. Each plant carries a hundred or more flowers at one time. All have florets of a delightful rich orange, but the coloring surrounding the disk varies in tone from ruby-red to dark purple. Pkt. 20 cts., 1/2 oz. 50 cts., 1/4 oz. 90 cts.

VALERIAN (Garden Heliotrope; Heal-All). Perennial. Pinnate foliage; panicles of scented flowers in June and July. 4 ft.

Red White Mixed
Each, pkt. 25 cts., 1/2 oz. 75 cts., oz. \$1.25

VENIDIUM fastuosum. Annual. For the garden or for growth under glass. Daisy-like, orange flowers, 3 inches across, with black centers. 2 to 3 ft. Pkt. 25 cts., 1/2 oz. 75 cts., 1/4 oz. \$1.25.

Fastuosum Hybrids, Mixed. Annual. Mixture includes white, cream, lemon, yellow, orange, and buff. Pkt. 25 cts., 1/2 oz. \$1, 1/4 oz. \$1.50.

VERBASCUM Blattaria albidiflorum (Moth Mullein). A graceful perennial with 30-inch spikes of showy white flowers during July and August. Pkt. 35 cts., 3 pkts. \$1.

Pheniceum Hybrids, Mixed. Perennial. 3 ft. Various shades from white through yellow to deep orange. Pkt. 15 cts., 1/2 oz. 60 cts.

VERONICA spicata (Speedwell). Perennial. Useful border plant with spikes of bright blue flowers from July to September. 2 ft. Pkt. 15 cts., 2 pkts. 25 cts.

Incana. Perennial. Beautiful silvery leaves and spikes of brilliant blue flowers. 1 ft. Pkt. 35 cts., 3 pkts. \$1.

VERBENAS

Mostly decumbent, creeping plants, with clusters of bright flowers; extremely showy. Sow in the open ground in May, or earlier under glass. Thin to 1 foot apart.

Giant-flowering Types

More flowers to each truss, and the individual florets are larger. They attain a height of 1 1/2 feet and, if sown outdoors early in May, may be had in bloom by July.

Annapolis Blue. The flowers are a beautiful mixture of shades of mid-blue, with no tendency to a purple cast. The plant is of spreading habit and the 3-inch clusters of flowers stand erect on foot-high stems. Their color varies in the florets of each cluster, giving a very pleasing effect, but the variation is within the limits of mid-blue—no light and no very dark hues. Pkt. 25 cts., 1/2 oz. \$1, 1/4 oz. \$1.50.

Apple Blossom. Flowers almost white, shading to a delicate cameo-pink toward the edges, where they are a decided pink. Individual flowers are 1 1/4 inches in diameter, while the flower-head measures 4 to 5 inches.

Beauty of Oxford Hybrids, Mixed. The color varies from clear rose-pink to rose-red, and makes this the brightest rose-colored Verbena. The individual flowers measure over 1 inch in diameter.

***Crimson Glow.** Fine crimson, pure, self-colored and without a white eye. Large flower trusses.

Etna. Vivid scarlet with small yellow eye.

Flamingo. Erect in growth, each plant has up to a dozen stems and each stem will bear as many as four enormous clusters of large, vermilion-pink florets. Height, 1 1/2 ft.

***Lavender Glory.** Clear lavender contrasting with the cream-white centers. Large blooms. (Not entirely fixed; still a few light colors.)

***Ruyale.** Royal blue, primrose-yellow eye.

***Salmon-Pink.** Even tone of salmon-pink.

***White King.** Pure white.

Above 9, each, pkt. 15 cts., 1/2 oz. 60 cts., 1/4 oz. \$1

COLLECTION No. 38: 5 pkts., one each marked (*), 60 cts.

Giant-flowering Mixed. A combination of all shades. Pkt. 15 cts., 1/2 oz. 50 cts., 1/4 oz. 75 cts.

Miniature Types

These grow only 6 to 9 inches high.

Blue Sentinel. The plants form mats about 10 inches across. Produced with great freedom all summer are large, deep flower-heads of a royal violet-blue color; the individual florets have a white center.

Carmine Ball. Bright carmine.

Dark Blue.

Fireball. Bright flame-scarlet.

Pure White.

Red Sentinel. A dwarf, compact, non-spreading type, the erect plants holding their shape all season. The color of the flowers is an intense, bright spectrum-red, with no eye.

Above 6, each, pkt. 15 cts., 1/2 oz. 75 cts., 1/4 oz. \$1.25

Miniature Mixed, All Colors. Pkt. 15 cts., 1/2 oz. 60 cts., 1/4 oz. \$1.

Your attention is respectfully directed to
Perfumes of Old-World Gardens
offered on page 84

VIOLAS • Tufted Pansies

Perennial. Violas bloom so freely and for so long that they are often preferred to pansies. The colors are particularly clear.

Viola cornuta Hybrids

Blue Gem (Jersey Gem). Pleasing shade of deep violet-blue, with an occasional slight variation in tint. Will come about 70 per cent true from seed. 4 in. Pkt. 25 cts., 1/2 oz. \$2.75, 1/4 oz. \$5, 1/8 oz. \$9.

Apricot Gem. An unusually fine shade, blending into a deep orange center. Splendid when planted with Blue Gem. Pkt. 25 cts., 1/2 oz. \$1.50, 1/4 oz. \$2.50, 1/8 oz. \$4.

Lutea splendens. Glowing yellow.

White Perfection. Splendid white.

Above 2, each, pkt. 25 cts., 1/2 oz. \$1.25, 1/4 oz. \$2.25

Cornuta, Mixed. Pkt. 20 cts., 1/4 oz. \$1.

Large-flowering Hybrid Violas

Arkwright Ruby. Terra-cotta on crimson. Fragrant. Pkt. 50 cts., 1/2 oz. \$2.50.

Blue Butterfly. A perfect bedding Viola. The color is a mid-blue shading to white. Pkt. 35 cts., 1/2 oz. \$1.25.

Chantreyland. Fine shade of apricot; the best in this color to date. Pkt. 50 cts., 1/2 oz. \$2, 1/4 oz. \$3.50.

Finest Mixed. Pkt. 25 cts., 1/2 oz. \$1, 1/4 oz. \$1.50.

VIRGINIAN STOCKS. Annual. Sown early, these pretty annuals are gay in the period between the spring and summer flowers, their fresh, bright colors in lines and beds producing a charming effect. We offer a choice mixture. Pkt. 10 cts., 1/2 oz. 25 cts., oz. 40 cts.

VISCARIA, TOM THUMB. Annual. This beautiful new race is unlike others, in that the plants are compact and bushy and they bloom so freely as to be entirely covered. Flowers resemble single wild roses in miniature. 1 ft.

Blue Bouquet. Erect and bouquet-like, and the flowers are a brilliant cornflower-blue. Pkt. 35 cts., 3 pkts. \$1, 1/2 oz. \$2.50.

Red Queen. Fiery red.

Rose Queen

Each of above two, pkt. 25 cts., 5 pkts. \$1

Various Verbenas

Bonariensis. Tall, hardy perennial producing rosy lavender flowers on long stiff stems; these are highly and sweetly perfumed, and are valuable for cut-flowers. Award of Merit, R. H. S., England. 4 1/2 ft. Pkt. 15 cts., 1/2 oz. 60 cts., oz. \$2.

Erinoides (Moss Verbena). Moss-like spreading foliage and purplish blue blossoms. Pkt. 15 cts., 1/2 oz. 60 cts., oz. \$2.

Venosa (Hardy Garden Verbena). Purple flowers all summer. 1 ft. Pkt. 15 cts., 1/2 oz. 60 cts., oz. \$2.

VINCA (Madagascar Periwinkle; Old Maid). Annual. Begins blooming in August from seed sown outdoors in May; blooms earlier if sown indoors in March. 1 ft.

Alba. Pure white.

Rosea. Rose.

Rosea alba. White with rosy eye.

Each, pkt. 25 cts., 1/2 oz. \$1, oz. \$3.50

Mixed. Pkt. 15 cts., 1/2 oz. 75 cts., oz. \$2.50

WALLFLOWERS

These half-hardy annuals and perennials are grown for early spring bedding and for their delightful fragrance. Perennial sorts should be sown in summer or autumn and carried over in a coldframe; annual sorts may be sown indoors in March and will flower the first year.

New Annual Wallflower, Extra-Early Double

If seed of this variety is sown in early spring, it will be in full bloom by June. The flowers are equal in size to those of the perennial double varieties, and are perfumed.

Canary-Yellow

Mixed

Each, pkt. 15 cts., 1/2oz. 60 cts., 1/2oz. \$1

Single Annual Varieties

Single Annual Wallflowers. Select mixtures.

Pkt. 10 cts., 1/2oz. 25 cts.

Perennial Varieties

The following mixtures are hardy but should be sown in fall, carried over winter in a frame, and planted out in spring.

Single, Mixed. Pkt. 15 cts., 1/2oz. 60 cts.

Double, Mixed. Pkt. 25 cts., 5 pkts. \$1.

XERANTHEMUM, Mixed. Annual; Ever-lasting. Edging plant. The dried flowers are useful for winter decoration. 2 ft. Pkt. 10 cts., 1/2oz. 25 cts., oz. 75 cts.

YUCCA filamentosa (Adam's Needle; Silk Grass). Ornamental evergreen perennial, producing a 6-foot branched panicle of creamy white flowers. Pkt. 35 cts., 3 pkts. \$1.

An All-America Committee

of horticulturists grows trial rows of new plants every season. Novelties, which prove to have great merit, are given awards, the most outstanding ones receiving Silver Medals. Others, which are also new and meritorious, are awarded Bronze Medals and Honorable Mention. Sorts thus authenticated are indicated on these pages.

Various Zinnias

Linearis. Ideal for window-boxes or beds of cut bloom. Growing 10 inches high and spreading 2 feet within six weeks of sowing, it is covered with medium-sized, single, daisy-like flowers with outer florets golden orange and center eye darker. See page 51. Pkt. 25 cts., 1/2oz. 75 cts., oz. \$2.50.

Mexican, Mixed (Z. *Haageana*). Spreading plants with flowers suggestive of French Marigolds; some double, some single; many semi-double. Shades of yellow, red, or brown; also spotted and striped. Pkt. 15 cts., 1/2oz. 50 cts., oz. \$1.50.

Navajo, Mixed. Medium-sized, double and semi-double flowers with long, narrow, incurved or fluted florets, each of which is tipped with a lighter contrasting color. 18 in. Pkt. 15 cts., 1/2oz. 50 cts., oz. \$1.50.

Pumila Picotee, Mixed. The petals are ruffled and curled, giving a light, dainty effect, and each is beautifully picotee. All colors. Pkt. 15 cts., 1/2oz. 50 cts., oz. \$1.50.

The Gorgeous Zinnia • Youth and Old Age (ANNUAL)

The seed may be sown in a hotbed or sunny window and transplanted, or sown later in the open ground. The plants come into flower early in the summer and keep on blooming until hard frost. Splendid for garden decoration and for cutting.

We draw your attention to the life-like pictures of Zinnias on page 51.

Giant Double Dahlia-flowered

The plants attain a height of 3 feet, producing mammoth flowers averaging 6 inches across by 3 to 4 inches in depth, similar in shape to the decorative dahlia, with the same fullness of the petals.

***Canary Bird.** Clear yellow.

***Crimson Monarch.** Flaming crimson. Dream. Deep lavender-blue.

***Exquisite.** Light rose.

***Golden Dawn.** A pure clear golden yellow.

***Oriole.** Orange and gold.

***Polar Bear.** Largest; finest pure white.

***Royal Purple.** The large blooms will exceed 4 inches, on plants that have a very uniform habit, making the variety ideal for bedding purposes. The color is a deep, rich, regal shade of purple.

***Scarlet Flame.** Bright scarlet.

Each, pkt. 15 cts., 1/2oz. 60 cts., oz. \$2

Mixed. Pkt. 15 cts., 1/2oz. 50 cts., oz. \$1.50.

COLLECTION No. 56: Pkt. each, 4 marked *, 50 cts.

Mammoth California Giants

When in full bloom they reach an enormous size, yet their flatness gives them a most graceful appearance. They grow to a height of 3 feet, and the fine double blooms will sometimes average a diameter of 6 inches.

***Brightness.** Bright pink.

***Cherry Queen.** Cherry-rose.

***Enchantress.** Light rose, deeper center.

***Golden Queen.** Lemon-orange.

***Miss Willmott.** Soft pink.

***Orange Queen.** Golden yellow.

***Orange King.** Cadmium or burnt-orange.

***Purity.** Pure white.

***Rose Queen.** Bright rose.

***Scarlet Gem.** Glowing scarlet.

***Violet Queen.** Shade of violet.

Each, pkt. 10 cts., 1/2oz. 35 cts., oz. \$1.25

Mixed. Pkt. 10 cts., 1/2oz. 30 cts., oz. \$1.

COLLECTION: Pkt. each, 6 marked *, 50 cts.

Fantasy Zinnias

On 33-inch-high plants, lovely 3-inch blooms are developed in seven weeks from seed. The florets are shaggy, wavy and frilled, making them lovely for cut-bloom and for annual flower-beds.

***Wildfire.** Intense scarlet.

***White Light.** Nearly pure white.

***Orange Lady.** A gay shade of bright orange.

***Rosalie.** Bright, intense rose.

***Stardust.** The wavy and frilled flowers are a rich, deep gold.

Above 5, each, pkt. 15 cts., 1/2oz. 50 cts., oz. \$1.50

COLLECTION No. 18: Pkt. each above 5 colors, 60 cts.

Fantasy, Mixed Colors. Pkt. 10 cts., 1/2oz. 35 cts., oz. \$1.25.

Dwarf Double-flowering

This type is very satisfactory for borders or cutting. Perfect flowers. 1 1/2 ft.

***Crimson**

***Canary-Yellow**

***White**

***Golden**

***Salmon-Rose**

***Scarlet**

***Pinkie.** Rose-pink

***Mixed**

Each, pkt. 10 cts., 1/2oz. 35 cts., oz. \$1.25

MIDGET ZINNIAS. A dwarf type, excellent for cut-flower purposes. Some entrancing colors are to be found in this class.

***Canary Gem**

***Golden Gem**

***Salmon Gem**

***Scarlet Gem**

***Crimson Gem**

***Pink Gem**

***White Gem**

***Mixed Gems**

Each, pkt. 15 cts., 1/2oz. 60 cts., oz. \$2

COLLECTION No. 55: Pkt. each, 6 marked *, 50 cts.

CUPID ZINNIAS. Compact little plants, less than 1 foot high, are covered with small, button-like flowers. Excellent for edging.

***Fixie.** Bright yellow.

***Tiny Tim.** Scarlet.

***Snowdrop.** White.

***Cupid, Mixed.**

Each, pkt. 15 cts., 1/2oz. 50 cts., oz. \$1.50

Lilliput Zinnias

Tiny pompon plants.

Black Ruby. A Lilliput variety, with 1 1/4-inch blooms, on long stems; their color is a deep, velvety maroon. In a two-color or three-color planting or room-decorating scheme, this will prove ideal as the dark-hued factor. For flower-beds or cut-bloom it is equally indispensable. 15 to 18 in. Pkt. 15 cts., 1/2oz. 50 cts., oz. \$1.50.

Pastel Shades. Beautiful little ball-shaped blooms. In the mixture are apricot, peach, cream, shell-pink, salmon, rose, and orchid. These are illustrated on back cover. 1 ft. Pkt. 15 cts., 1/2oz. 50 cts., oz. \$1.50.

Scabious-flowered Zinnias

Blooms are shaped like a beehive.

Howard Crested. A mixture. The flowers are 4 to 5 inches across, with a rounded cushion-like center, surrounded by broad, flat guard florets, to remind you of mammoth scabiosas. In the blend are charming fresh colors—crimson, red, pink, yellow, scarlet, gold and other hues. Excellent for flower-beds or annual borders and a useful new cut-flower. 3 ft.

Campfire. Blooms are of moderate size, making them suitable for room decoration. Scabious-shaped, they are a rich, dazzling scarlet. Effective bedding plants also, especially when edged with dwarfier flowers. 2 to 2 1/2 ft.

Gloaming. Handsome plant with flowers of a deep rich orange.

Sparkler. Scabious-flowered variety with flowers of a deep Tyrian rose.

Sunburst. The blooms are 1 1/2 to 2 inches across and are a pure, vivid, dazzling canary-yellow.

Above 5, each, pkt. 15 cts., 1/2oz. 60 cts., oz. \$2

Super Crown o'Gold Zinnias

Base of each floret comprising the flower is one tint of gold, but the other halves vary in color.

Desert Gold. The light and deeper hues of gold are here; striking in the garden or for cut-bloom. 2 1/2 ft. Pkt. 15 cts., 1/2oz. 50 cts., oz. \$1.50.

Crown o'Gold, Pastel Tints. This choice strain is described, and shown in life-like color, on page 51. Pkt. 15 cts., 1/2oz. 60 cts., oz. \$2

Collections of Flower Seeds

These Collections are time-saving, money-saving, and dependable. The packets which comprise them are from our regular stock and of full size. The seeds they contain are of high quality. They make ideal gifts.

COLLECTION No. 59A \$1.00

12 Packets, Most Popular Annuals

Alyssum, Little Gem
Aster, Midseason, Gt. Azure-Blue
Candytuft, Hyacinth-flowered, White
Cornflower, Blue Boy
Hunnemannia (Yellow Tulip Poppy)
Larkspur, Blue Spire

Mignonette, Allen's Defiance
Nasturtium, Large-flowered, Dwarf
Phlox Drummondii, Finest Mixed
Salpiglossis, Brown with Gold
Shirley Poppy, All Shades, Mixed
Zinnia, Dahlia-flowered, Mixed

COLLECTION No. 59B \$1.00

12 Packets, Annuals for Rock-Gardens

Ageratum, Blue Perfection
Alyssum, White Carpet
Brachycome, Blue Star
Candytuft, Crimson
Dianthus chinensis
Dimorphotheca aurantiaca

Ice Plant
Linum grandiflorum rubrum
Lobelia, Crystal Palace
Portulaca, Single, Mixed
Stock, Virginian, Mixed
Tagetes, Little Giant

COLLECTION No. 59C \$1.00

12 Packets, Annuals for Shady Gardens

Alyssum, Little Gem
Antirrhinum majus, Mixed
Aster, Queen of the Market
Balsam, Double, Mixed
Clarkia, Salmon Queen
Cornflower, Jubilee Gem

Cynoglossum, Firmament
Eschscholtzia, Mixed
Godetia, Dwarf Double, Carminea
Lupinus, Annual, Mixed
Nicotiana, Crimson Bedder
Petunia, Bedding, Mixed

COLLECTION No. 59E \$1.00

12 Packets, Annuals for Cut-Bloom

Antirrhinum, Tall, Mixed
Arctotis grandis
Aster, Will-resistant, Late Br., Mixed
Calendula, Orange King
Cosmos, Early Express, Mixed
Gypsophila elegans alba

Helichrysum, Double, Mixed
Marigold, African, Mixed
Scabiosa, Tall, Mixed
Stocks, Giant Imperial, Mixed
Sweet Peas, Spencer, Mixed
Zinnia, Dahlia-flowered, Mixed

COLLECTION No. 59G \$1.50

12 Packets, Most Popular Perennials

Alyssum saxatile
Aquilegia, Long-spurred, Mixed
Arabis alpina
Chrysanthemum, Alaska (Shasta Daisy)
Coreopsis grandiflora, Sunburst
Delphinium, Gold Medal Hybrids

Dianthus, Double Plumarius, Mixed
Digitalis, Giant Shirley, Mixed
Forget-me-not, Royal Blue
Gaillardia grandiflora, Copper-Red
Poppy, Oriental, Scarlet
Pyrethrum Hybrids, Double



COLLECTION No. 59H \$1.50

12 Packets, Perennials for Rock-Gardens

Alyssum saxatile
Arabis alpina
Armeria, Large-flowering Hybrids
Campanula carpatia
Candytuft sempervirens
Cheiranthus Allioni

Dianthus Allwoodii, Mixed
Geum, Lady Stratheden
Linum perenne, Blue
Polyanthus, Giant, Mixed
Poppy, Iceland, Single, Mixed
Saponaria ocymoides

COLLECTION No. 59K \$1.50

12 Packets, Perennials for Cut-Bloom

Aquilegia, Long-spurred, Mixed
Aster alpinus speciosus
Campanula persicifolia, Blue
Centauria montana
Chrysanthemum, Alaska
Coreopsis grandiflora, Sunburst

Delphinium, Gold Medal Hybrids
Gaillardia, Copper-Red
Gypsophila paniculata
Pentstemon, Giant Hybrids, Mixed
Pyrethrum, Double Hybrids
Scabiosa caucasica

SEEDS OF CONIFEROUS TREES

Red or Norway Pine (*Pinus resinosa*). A native of the Northern States. One of our finest eastern trees. Pkt. 25 cts.

Western Yellow Pine (*Pinus ponderosa*). Native from British Columbia to Mexico and Texas; perfectly hardy in our eastern climate. Pkt. 25 cts.

White Pine (*Pinus strobus*). One of the most widely distributed American trees, growing in all parts of the United States, except the Rocky Mountains. Pkt. 25 cts.

Colorado Spruce (*Picea nutzans*). A Rocky Mountain type from which the finer varieties of Blue Spruce have been developed. Generally 50 per cent of the seeds will yield true blue trees. Pkt. 25 cts.

Sitka Spruce (*Picea sitchensis*). One of the finest of our native trees; used in airplane manufacture. Pkt. 25 cts.

American Tree Seeds, Mixed. The above, and Pitch Pine, American Arborvitae, etc. Pkt. 50 cts.

FLOWER SEED MIXTURES

GLAMOUR GARDEN MIXTURE. Over 50 of the most striking annuals for cut-bloom. Pkt. 30 cts., 1/2 oz. 75 cts., oz. \$1.25.

WILD-FLOWER MIXTURE. Seeds of native plants. No garden hybrids or "tame" plants included. Suitable for broadcasting in odd corners, when hiking, etc. Pkt. 15 cts., oz. 60 cts., 1/4 lb. \$2. lb. \$7.50.

MIXED SEEDSMAN'S FLOWERS. All the varieties in our establishment are contained in this mixture, which is mostly an assortment of cultivated types. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.50.

ROCK-GARDEN MIXTURE. Dwarf flowers, annual and perennial, suitable for the rock-garden. Sow it amid the rocks and boulders of your Westchester or Connecticut home. Plants seem spontaneously to appear some months later. Mix seed with fine soil, 1 ounce to a paifull, and broadcast the mixture freely. Pkt. 15 cts., 1/2 oz. 60 cts., oz. \$1, 1/4 lb. \$3.50, lb. \$10.

ORNAMENTAL GRASSES

The annual varieties are principally grown for their beautiful flower panicles which when dried are useful for bouquets or winter decoration in the home. Perennial varieties are valuable for borders or massed between shrubs or on the lawn.

Sow outside in May, transplant or thin out when large enough to handle. Flower-heads should be cut before they are ripe.

Annuals

Sow in March, April or May

COIX Lacryma-Jobi (Job's-Tears). 3 ft.
ERAGROSTIS elegans (Love Grass). 1 ft.
ZEAL japonica (Striped Corn). 5 ft.

Perennials

Sow in spring or summer

EUALIA japonica foliis vittatis. 4 ft.
GYNERIUM argenteum (Pampas). 6 ft.

Each, pkt. 15 cts., 2 pkts. 25 cts.

ABOUT FERTILIZERS.

For the duration, no chemical nitrogenous fertilizer will be available to the amateur gardener, except the 3-8-7 Victory Fertilizer for food production, which is made partly from chemical elements. You can more than offset this disability, however, if you:

(1) Use the organic plant-foods described on page 108.

(2) Plant soil-improving crops whenever land is not being used—field peas, soy beans, buckwheat, rye or vetch.

When the latter are dug under your land will be rejuvenated. See page 21.

Flowering Bulbs and Roots

We supply 3 or more bulbs of a variety at the 10 rate, 25 at the 100 rate



Amaryllis

AMARYLLIS

S. & W. Co.'s Giant Hybrids

For the conservatory, greenhouse, or window-garden. Our strain produces vigorous stems with from four to six blooms of perfect form and wonderful color combinations. Pot up the bulbs and water well; store in a cool, dark place for a month; then bring to the light. They may be had in bloom in 6 to 8 weeks.

Pots may then be set outdoors to allow the foliage to die down; bring them indoors in November to start for the next season.

May also be grown in the open. Plant from mid-May on, and lift the bulbs in October.

Mixed Colors. Combination of crimson, white, orange-scarlet and striped. 75 cts. each, \$7 for 10.

ANEMONE

Excelsior Mixture. Of the St. Brigid type, but taller; nearly all are single. The mixture contains many fine shades of blue, white, scarlet and crimson, in a well-balanced mixture. 60 cts. for 10, \$5 per 100.



Anemone, Excelsior

BEGONIAS TUBEROUS-ROOTED

Provide a pan or box, and cover the bottom with one inch of sphagnum moss, placing the bulb on top and covering with another layer of sphagnum moss. They should be kept moist and moderately warm. As soon as roots appear, plant in pots in a light soil, one inch below the surface, and water cautiously until the plant has shown growth, then increase the amount. Good drainage is essential. Or the bulbs may be planted outdoors 8 inches apart in the latitude of New York about the middle of May. We offer large bulbs 1½ inches and up.

These beautiful subjects are especially valuable for planting in moist shaded areas. Bulbs may be lifted in autumn, stored in a cool damp place over winter.

Double Carnation-flowered

Blooms 5 to 6 inches across. Brilliant as the jewels of an Eastern potentate, these flowers may be grown with surprising ease.

Apricot	Pink	Yellow
Crimson	Scarlet	Mixed
	White	

Single Frilled and Ruffled

We offer this delightful new type as a pleasing variation to the plain-edged kind.

Apricot	Pink	Yellow
Crimson	Scarlet	Mixed
	White	

Double Camellia-flowered

An improved double strain which greatly resembles the camellia in form of flower.

Apricot	Pink	Yellow
Crimson	Scarlet	Mixed
	White	

Bulbs of any of the above three Begonias, 20 cts. each, \$1.80 for 10, \$15 per 100

Multiflora

Plants are covered all summer with semi-double and double flowers of great brilliance, 2 to 3 inches across. These are illustrated on page 52. Height 15 inches.

Rose	Pink	Red
Orange	Salmon	White

Any of the above, 35 cts. each, \$3 for 10, \$25 per 100

COLLECTION B-42: Six tubers, one each of the above 6 colors, \$1.75

Many Vegetables may be grown among your flowers with pleasing effect. Some of the decorative ones are beet, carrot, chard and parsley; these will add charm and produce food—and food will win the war.

CALADIUM ESCULENTUM

Elephant's Ear

Frequently used as border plants about a residence, where their large, rich green leaves, often 4 feet long and 2½ feet wide, contrast with the colors of the dwelling. Plant outdoors from May 15 on.

	Each	10	100
Mammoth-size Bulbs...	\$0.20	\$1.80	\$15.00
Jumbo-size Bulbs.....	35	3.00	25.00

FANCY-LEAVED CALADIUMS

Few, if any, summer foliage plants equal the Fancy-leaved Caladiums in their rich and gorgeous, yet soft, coloring. All the varieties are of marvelous beauty for the furnishing of the conservatory during the summer months, or even for outdoor bedding in shady or semi-shady positions. Bulbs do best if started in pots, planting one bulb to a 6-inch pot. Plant and handle similar to indoor culture of tuberous-rooted begonias.

These are illustrated in color on page 62.

Ten Extra-Choice	Each	10	100
Named Varieties.	\$0.35	\$3.25	\$30.00
Mixture, Splendid			
Varieties.....	30	2.75	25.00

CALLAS

Plant in the open border when danger from frost is over. When tops are killed by frost, dig and store same as Gladioli. They are also excellent pot-plants.

Golden Yellow (*Richardia Elliottiana*). The best of the Yellow Callas, its flowers are as large as the popular white winter-flowering variety, and of a rich, lustrous golden yellow. The foliage is dark green, with a number of translucent creamy white spots. Shown in color on page 61. 25 cts. each, \$2.25 for 10, \$20 per 100.

Pink (*Zantedeschia Rebmanni*). A lovely dwarf Calla. Rose-pink flower maturing crisp. Selected bulbs 75 cts. each, \$7 for 10, \$60 per 100.

Black Calla (*Arum pictum*). Very large, black flowers, spathe changing to maroon as the bloom becomes older. 60 cts. each, \$5.50 for 10, \$50 per 100.

CANNAS

Roots may be planted in 4- or 5-inch pots or shallow boxes in March or April and kept in a warm place to start them into growth. The started plants may be planted out about May 20 to June 10 in the vicinity of New York. They should be set about 2 feet apart. Dormant roots may be planted outdoors in May.

Ambassador. Flowers rich cherry-red. Bronze foliage. 4 ft.

City of Portland. Deep rich pink. Green foliage. 5 ft.

Eureka. Finest white. Green foliage. 4 ft.

King Humbert. Flowers of gigantic size, brilliant orange-scarlet, with bright red markings. Foliage bronze. 5 ft.

King Midas. Large flowers of a rich pure yellow. Green foliage. 4 ft.

Mrs. Alfred Conard. Large blooms of salmon-pink, with rich dark green foliage. 5 ft.

The President. Rich glowing scarlet, with immense flowers 7 inches across. Foliage a rich deep green. 5 ft.

Wintzer's Colossal. One of the largest-flowering Cannas. Blooms bright deep scarlet. 5 ft.

Wyoming. Large flowers of deep orange, with bronze foliage. 6 ft.

Yellow King Humbert. Flowers yellow, spotted red. Green foliage. 5 ft.

Selected roots, any of above, 15 cts. each, \$1.25 for 10, \$10 per 100

Flowering Bulbs and Roots

We supply 3 or more bulbs of a variety at the 10 rate, 25 at the 100 rate

CINNAMON VINE

Dioscorea Batatas

Rapid-growing summer climber, with bright green, glossy foliage, and spikes of cinnamon-scented, white flowers. It is perfectly hardy, the stems dying down in winter, but growing with great rapidity in the spring, so as to cover any trellis or arbor very early in the season. Selected roots, 15 cts. each, \$1.25 for 10, \$10 per 100.

DICENTRA SPECTABILIS

Bleeding-Heart or Seal Flower

An old-fashioned favorite, with long racemes of graceful heart-shaped pink flowers that are always attractive. We offer only extra-strong clumps which will make fine specimen plants first year after planting. 55 cts. each, \$5 for 10, \$45 per 100.

GLOXINIA

One of the handsomest of summer-blooming, tuberous-rooted plants recommended for the amateur. Ideal for pot-culture. Use care in watering and give good drainage. The cultural directions for begonias might also be followed for Gloxinias.

Sky Blue	Bright Red. Green foliage.
Deep Violet	Bright Red. Red foliage.
Dark Blue	Scarlet, White Band
Midnight Blue	Pure White
Pink	Spotted, Various Colors
Crimson	Choice Mixed

Any of above, 40 cts. each, \$3.50 for 10, \$30 per 100

GLORY LILY

Gloriosa Rothschildiana

Tuberous-rooted greenhouse climber; or may be grown outdoors, provided the roots are lifted before frost. The truly remarkable waxy, lily-like flowers are 3 inches across and have prominent curved stamens; perianth is crimson, banded with gold and near-white at the center, reflexed and waved.

Easy to grow; plant in a sunny position, and water generously in dry weather. Pinch to produce bushy plants for an unusual flower-bed. \$1 each, \$9 for 10, \$75 per 100.

SUMMER HYACINTH

Hyacinthus Candicans

Luxuriant, free-growing, summer-flowering plant; spreads 2 to 3 feet, with spikes 4 to 5 feet in height, each bearing twenty to thirty large, white, bell-shaped flowers. Choice bulbs, 15 cts. each, \$1.25 for 10, \$10 per 100.

ISMENE CALATHINA

Pancratium Lily; Peruvian Daffodil

A choice flowering bulb, blooming profusely during the summer. Clusters of large, strikingly fragrant, pearly white flowers. Bulbs should be planted out the middle of May; they will commence flowering in July. Before freezing weather sets in, they should be lifted and kept in a warm, dry place.

Mammock bulbs	Each	10	100
Jumbo bulbs	\$0 25	\$2 25	\$20 00
	45	4 00	35 00

MADEIRA VINE

Climbing Mignonette. Will cover a large space in a short time. Fleshy heart-shaped leaves, and racemes of leathery fragrant flowers. Protect with litter in winter. 15 cts. each, \$1.25 for 10, \$10 per 100.

MONTBRETIAS

This delightful bulbous plant blooms from July until frost and is excellent for cutting. Bulbs should be planted outdoors during April and May. They require a protection of leaves or litter if planted in a permanent location.

We offer 6 distinct varieties of the improved large-flowering Earham Hybrids

Apricot Queen. Rich golden apricot. One of the first to bloom. Very strong grower. 3 ft.

Comet. Large star-shaped flower of fine substance, rich deep golden orange, with a broad band of blood-crimson and a yellow center. Dark stems. 2½ ft.

His Majesty. A glorious variety. Flowers measure 4 inches across, deep velvety scarlet shading to gold; reverse of petals is crimson shading to gold. 4 ft.

James Coey. Large open flowers of rich vermillion suffused with golden orange; yellow center with crimson blotches. 3 ft.

Lady Wilson. Very large bright yellow flowers with an orange sheen; remarkably handsome. 3½ ft.

Red Knight. Large star-shaped flowers of rich vermillion, shading to gold at center, which is heavily overlaid with maroon; reverse of petals crimson and orange. A fine vigorous flower. 3 ft.

Any of above, 25 cts. each, \$2.25 for 10, \$20 per 100

Four Fine Standard Varieties

California. Deep golden yellow.

Fire King. Glowing scarlet.

Talisman. Deep orange.

Transcendent. Orange-scarlet.

Any of above, \$1 for 10, \$2 for 25, \$7.50 per 100

S. & W. Co.'s Jewel Mixture. Contains yellow sorts of various shades, oranges, apricots and scarlets; many flowers are blotched with deeper colors. 80 cts. for 10, \$7 per 100.

OXALIS

This excellent summer-blooming bulb is fine for edging the borders of walks or flower-beds.

American Shamrock. Pink flowers; clover-like leaves spotted maroon. Shown in color on page 61.

Deppoi alba. Small white flowers. Mostly four-leaved-clover-like foliage. Ideal companion to the American Shamrock.

Above two, 35 cts. for 10, \$2.50 per 100, \$20 per 1000

RANUNCULUS (Buttercup)

Tecolote Giant Mixed. S. & W. Co.'s improved strain. The flowers are fully double, blended with giant semi-double. Our mixture consists of shades of orange, red, yellow, and pink. Plant bulbs during May; north of Washington they require a mulch for winter protection. 60 cts. for 10, \$5 per 100.

TIGRIDIA

Mexican Shellflower

This grows well in the open ground in summer as far north as New England and gives a continuous display. You will find an illustration in color of this plant on page 61.

CULTURE.—Give the bulbs the same treatment as gladioli; that is, plant them 4 inches deep and at least 6 inches apart, any time after May 15. The plant thrives in a sunny situation but needs an abundance of water.

Our improved strain is a mixture including a wide range of colors—white with spotted cup, white with rose sheen, rose, yellow with suffusion of red, yellow with spotted cup, and brilliant scarlet. See illustration on page 61. 80 cts. for 10, 100 bulbs \$7.



Tuberose, Excelsior Double Pearl

TUBEROSES

Delightfully fragrant and beautiful. By skillful management a succession may be obtained the year round. For early flowers they can be started from February to April in the greenhouse or hotbed. For flowering later in the open border, plant in May and June.

Excelsior Double Pearl. White; double-flowering. Jumbo Exhibition Bulbs, 10 cts. each, 80 cts. for 10, \$7 per 100.

Albino. A single white variety blooming in July or August. 15 cts. each, \$1.25 for 10, \$10 per 100.

ZEPHYRANTHES

These are very useful for the open border. They are easily managed, requiring the same treatment as the gladioli, and can be planted at the same time, but more closely.

Rosea. Dark pink. 75 cts. for 10, \$6 per 100.

FIVE FINE MINIATURE DAHLIAS



MINIATURE DAHLIAS are dwarf plants bearing small flowers. Never more than 3 feet tall, they need little space and no staking.

The blooms are ideal cut-flowers less than 3½ inches across. Plant them in flower-beds or the perennial border; even make a hedge with them.

	Each	10
(1) Bishop of Llandaff	\$0 35	\$3 15
(2) Orchid Lady	40	3 60
(3) Baby Royal	35	3 15
(4) Little Jennie	50	4 50
(5) Sylvia	50	4 50

COLLECTIONS

- (1) No. 94A, 5 tubers, 1 each
(value \$2.10) \$1 75
- No. 94B, 10 tubers, 2 each
(value \$4.20) 3 50
- No. 94C, 25 tubers, 5 each
(value \$9.45) 8 00



THE AMERICAN SHAMROCK (Oxalis)

Plant the little bulbs of this native plant along walks or edge flower-beds with them. The blossoms have the remarkable habit of closing and the clover-like leaves of folding, at night. Height 9 inches.

35 cts. for 10, \$2.50 per 100,
\$20 per 1000

← CALLA LILY

Golden Yellow. Dark green foliage, spotted with white. Flowers are rich, velvety gold. Plant them anywhere in your garden when danger of frost is over. Lift the tubers in the autumn. 25 cts. each, \$2.25 for 10, \$20 per 100.



TIGRIDIA →

This grows well in the open ground in summer as far north as New England and gives a continuous display of gorgeous color from midsummer to frost.

CULTURE.—Give the bulbs the same treatment as gladiolus; that is, plant them 4 inches deep and at least 6 inches apart, any time after May 15. The plant thrives in a sunny situation but needs an abundance of water. Lift the bulbs in autumn.

Our improved strain is a mixture including a wide range of colors—white with spotted cup, white with rose sheen, rose, yellow with suffusion of red, yellow with spotted cup, and brilliant scarlet. Bulbs, 80 cts. for 10, \$7 per 100.

THREE FINE GLADIOLUS

(SWORD LILIES)

Immense blooms, brilliant red, pure white and near-blue, open progressively on tall, straight stems about 4 feet high.

You should plant some of them every two weeks for a succession of bloom. Begin around April 25 in the latitude of New York and continue to June 25. They bloom in about 12 weeks.

Dig the corms (bulbs) every autumn, keep them from frost and replant the following spring.

National Colors Collection

The red, white and blue sorts illustrated.

15 bulbs, 5 each	\$0 80
30 bulbs, 10 each	1 50
75 bulbs, 25 each	3 50



COMMANDER KOEHL
55 cts. for 10, \$5 per 100



MAID OF ORLEANS
55 cts. for 10, \$5 per 100

PELEGRINA
55 cts. for 10
\$5 per 100



THREE SPLENDID LILIES

COLLECTIONS OF LILIES

6 bulbs, 2 each (value \$1.30)	\$1 10
12 bulbs, 4 each (value \$2.60)	2 25
24 bulbs, 8 each (value \$5.20)	4 50



SUNSET LILY. *Lilium pardalinum giganteum*
Selected bulbs, 25 cts. each, \$2.25 for 10,
\$20 per 100

In gorgeous full bloom during July.
Height 5 to 8 ft.



ROYAL LILY. *Lilium regale*
Selected bulbs, 20 cts. each, \$1.80 for 10, \$15 per 100
In gorgeous full bloom during July.
Height 4 to 6 ft.



CORAL LILY. *Lilium tenuifolium*
Selected bulbs, 20 cts. each, \$1.80 for 10,
\$15 per 100
In gorgeous full bloom during June
Height 2 ft.



Fancy

Leaved

CALADIUMS

Few foliage plants equal these in their gorgeous, yet soft, coloring. They are splendid for outdoor bedding in moist, shady or semi-shady positions and they are invaluable for conservatory decoration. Plant in the garden from May 1 on; some gardeners start them indoors in pots for planting out later, allowing one bulb to a 6-inch pot.

Ten Extra-Choice Named Varieties,
35 cts. each, \$3.25 for 10, \$30 per 100.

Mixture of Splendid Varieties, 30 cts.
each, \$2.75 for 10, \$25 per 100.

We offer a **COLLECTION** of 15 fine *Gladiolus*, 5 each of 3 varieties, for 80 cts.; 30 bulbs, 3 varieties, for \$1.50; 75 bulbs, 3 varieties, for \$3.50. See color plate on opposite page.

GLADIOLUS

*The Cream of the World's
Best Varieties*

CULTURE.—Any good garden soil will grow *Gladiolus* well, provided they are planted in a sunny location. Bulbs should be 4 inches deep and at least 6 inches apart; frequent cultivation with a hoe or a weeder, around the base of the plant, is advisable. For best results, we recommend plants being staked when one foot high. (We offer light green dyed bamboo canes, which are excellent for this purpose.) Water copiously, and as the flower-buds begin to form, apply liquid manure for exhibition spikes.

May be planted at intervals for a succession of bloom, and those held for planting should be kept cool. Patrons who plant late for September flowers may order in the spring; we will keep corms in cold storage and ship them when required, up to July 15, which, in the latitude of New York, is the latest advisable date to plant.

From planting-date, blooms appear in 10 to 11 weeks with early sorts, 12 to 13 weeks with midseason sorts, 14 weeks with late sorts

Sixty Fine Varieties Are Described Below

And to help you make your selection, we first list them under their respective colors

APRICOT, BUFF, CREAM
Donna
Duna
Miss New Zealand
Wasaga

BLUE, LIGHT
Ave Maria
Blue Beauty
Milford

BLUE, DARK
Blue Admiral
Pelegrina
Rudolph Serkin

CREAM-WHITE
Shirley Temple
PINK and SALMON
(With decided blotch)
Beacon
Mrs. Frank Pendleton

SALMON-PINK
King's Ransom
Mildred Louise
Mr. W. H. Phipps
Oregon State
Picardy

ORANGE
La Fiesta
Louis d'Or
Orange Imperator
Orange Princess
Smiling Maestro

LAVENDER-PINK
King Arthur
Minuet

LIGHT PINK
Colossus
Margaret Fulton
Mrs. T. E. Langford
Rosa van Lima

SCARLET
A-Flame
Dr. F. E. Bennett
Excellence
Pfizer's Triumph
Wurtembergia

RED—Amador
Commander Koehl
Flaming Meteor
Red Lory
Red Phipps
Rewi Fallu
Valeria

WHITE—Albatross
Maid of Orleans
Mammoth White
Margaret Beaton
Polar Ice
Star of Bethlehem
White Butterfly

PURPLE
Charles Dickens
Gertrude Swenson
Paul Pfizer

YELLOW
Gate of Heaven
Loyalty
Souvenir
Yellow Emperor

ART SHADES—Bagdad
Marmora
Mother Machree
Vagabond Prince
Zuni

A-Flame. Scarlet. Six or more enormous florets open at one time. Brilliant orange-flame, deepening to begonia-rose. Midseason. 55 cts. for 10, \$5 per 100.

Albatross. White. without a trace of color. 6 to 8 florets open at a time. Early. 55 cts. for 10, \$5 per 100.

Amador. Red. A brilliant glowing color. Large flowers compel attention. Will not burn in the sun. Splendid for exhibition. 65 cts. for 10, \$6 per 100.

Ave Maria. Light blue. Large flowers with small purple blotches. An exhibition sort. 70 cts. for 10, \$6.50 per 100.

Bagdad. Artsbade. Midseason exhibition sort. Smoky rose, deeper at the edges, with lighter throat. Individual flowers are 6 inches across. 50 cts. for 10, \$4.50 per 100.

Beacon. Salmon-red. The flower has a large cream blotch and is very large; it is slightly waved. A distinct variety unlike any other; attracts much attention at *Gladiolus* shows. 65 cts. for 10, \$6 per 100.

Blue Admiral. Dark blue. The tall, straight spikes carry many florets that open together. An excellent new midseason variety. 80 cts. for 10, \$7.50 per 100.

Blue Beauty. Light blue. A beautiful flower, with the margins of the petals tipped with violet. One of the best light blue varieties. 90 cts. for 10, \$8 per 100.

Charles Dickens. Purple-violet. Strong 5-foot spikes, bearing 10 to 12 large flowers, open at once. Exhibition sort. Late. 55 cts. for 10, \$5 per 100.

Colossus. Pink. A soft shade. Giant early sort. \$1.30 for 10, \$12 per 100.

Commander Koehl. Red. Large, brilliant scarlet-blood flowers on a tall stem. Fine exhibition sort and one of the best reds. Late. 55 cts. for 10, \$5 per 100.

Donna. Orange-buff; a color that is new. There are no markings or suffusions of other tints. Ruffled flowers of heavy substance and large. \$1.30 for 10, \$12 per 100.

Dr. F. E. Bennett. Scarlet. Immense blooms of deep fiery scarlet, overlaying peach-red; lip speckled ruby and white. Flowers are wide open and held on tall, stiff stems. 55 cts. for 10, \$5 per 100.

Duna. Buff. A soft apricot hue, lightening to yellow at the base of the lip petals, with 5 to 6 large, wide florets open at once. An early variety. 55 cts. for 10, \$5 per 100.

Excellence. Scarlet. Particularly quick to flower. The scarlet is bright and vibrant. 55 cts. for 10, \$5 per 100.

Flaming Meteor. Red. A spectacular flaming color with florets of immense size. One of the finest for exhibition. Midseason. 80 cts. for 10, \$7.50 per 100.

Gate of Heaven. Yellow. Leading exhibition sort. Probably the deepest yellow. Nicely formed spike with large, ruffled florets. Early. 55 cts. for 10, \$5 per 100.

Gertrude Swenson. Mauve-lavender. It has a white blotch on the lower petal. As many as 12 flowers open on the spike at one time. Fine Australian variety. \$1.30 for 10, \$12 per 100.

King's Ransom. Peach. A fine peach-red, blending into apricot; the throat is salmon. Blooms are large and ruffled. 80 cts. for 10, \$7.50 per 100.

King Arthur. Lavender-pink. Large, ruffled and fluted florets, penciled with darker markings. Exquisitely formed flower of fine appearance. A good sort for exhibition. Early. 55 cts. for 10, \$5 per 100.

La Fiesta. Orange. Unusually fine flower, graceful and of good shape. The color is pure and glistening. 80 cts. for 10, \$7.50 per 100.

Louis d'Or. Orange-yellow. Unusual and exceptionally fine shade, deep and pure. A fine new variety superior to Orange Queen, former leader in this color, which we now discard. 80 cts. for 10, \$7.50 per 100.

Loyalty. Yellow. The flowers are large, many open at one time, and of a clear, pure shade of yellow, deeper in the throat. 55 cts. for 10, \$5 per 100.

Maid of Orleans. White. The pure white florets have cream throats. Many florets in bloom at once. Excellent for exhibition. Midseason. 55 cts. for 10, \$5 per 100.

Mammoth White. White. One of the largest sorts, the florets often 7 inches across. Splendid for exhibition. Midseason. 55 cts. for 10, \$5 per 100.

Margaret Beaton. White. A wonderful exhibition sort, growing nearly 6 feet tall. On the perfect spikes as many as 8 to 10 large florets will be open at one time. They are snow-white, with a splash of vermillion in the throat. \$1.60 for 10, \$15 per 100.

Margaret Fulton. Rose-pink. A new variety that is large and fine in this ever-popular color. 55 cts. for 10, \$5 per 100.

Marmora. Art shade; lavender-gray with a light purple spot. Immense; fine for exhibition. Midseason. 55 cts. for 10, \$5 per 100.

Mildred Louise. Salmon-pink. The lower petals are tipped strawberry-pink, with a yellow throat. Flowers are 5 to 6 inches across, triangular shaped and wide open. The stems carry from 18 to 22 florets. Midseason. 65 cts. for 10, \$6 per 100.

Milford. Blue. The color is a sky-blue self, and the variety is remarkable in that nearly always it has 8 to 9 flowers open at one time. One of the best exhibition varieties. 80 cts. for 10, \$7.50 per 100.

We supply 3 or more corms of a variety at the 10 rate, 25 at the 100 rate

GENERAL GARDEN FERTILIZER

is an excellent plant-food for GLADIOLUS and other flowers; use it freely and often. 100 lbs. for \$6.

Minuet. *Lavender-pink.* The blooms are of beautiful clear, light lavender, with 4 to 6 large, heavily textured blooms open at one time. A sort that is recommended for exhibition. Late. 50 cts. for 10, \$4.50 per 100.

Miss New Zealand. *Salmon-apricot,* suffused with rose, blotched with peach. Enormous new Australasian variety. 80 cts. for 10, \$7.50 per 100.

Mother Machree. *Art shade.* A smoky lavender overlaid with salmon-pink on the edges. Large flowers, 6 or more open at one time. A good show sort. Midseason. 65 cts. for 10, \$6 per 100.

Mr. W. H. Phipps. *Salmon-pink.* Huge flowers are clear La-France-pink, overlaid with glowing salmon-rose, frequently speckled with ruby, 15 to 20 open at once. Good exhibition sort. Late. 50 cts. for 10, \$4.50 per 100.

Mrs. Frank Pendleton. *Pink and salmon.* Salmon-pink which extends to reverse side of the petals as well as in the center, with a rich, deep maroon blotch on the three lower petals. Midseason. 50 cts. for 10, \$4.50 per 100.

Mrs. T. E. Langford. *Pink.* Tall and vigorous variety of attractive apple-blossom-pink, flaked canary-yellow in the throat. As many as 10 florets open at one time; excellent variety for exhibition. Late. 70 cts. for 10, \$6.50 per 100.

Orange Imperator. *Orange.* The large florets have excellent substance. A fine early variety. 65 cts. for 10, \$6 per 100.

Orange Princess. *Orange.* A pure salmon-orange tint with a lighter hue in the throat. Slightly ruffled. Fine exhibition sort. Early. 65 cts. for 10, \$6 per 100.

Oregon State. *Pink.* The best in this color. Lighter than Picardy and it has a cream-colored throat instead of a darker blotch. New, and outstanding in every way. \$1.30 for 10, \$12 per 100.

Paul Pfister. *Purple.* Fine reddish purple, many florets opening at once on a vigorous stem. Midseason. 65c. for 10, \$6 per 100.

Pelegria. *Dark blue.* One of the finest dark blue-violet varieties ever introduced, with large individual florets. Early. 55 cts. for 10, \$5 per 100.

Pfister's Triumph. *Scarlet.* Blooms are at least 6 inches across, bright orange-red, with small velvety red blotches. The color and size make this a fine exhibition sort. Late. 60 cts. for 10, \$5.50 per 100.

Picardy. *Salmon-pink.* The individual flowers are delicate apricot-pink, extremely large, somewhat ruffled, and of heavy, wax-like substance. Midseason. 50 cts. for 10, \$4.50 per 100.

Polar Ice. *White.* Fine exhibition variety with large flowers, many of which are open at the same time. Vigorous and early sort. 55 cts. for 10, \$5 per 100.

Red Lory. *Red.* Carmine-rose with large red spots. Large florets, nearly all of which are open at once. An exhibition sort. Midseason. 65 cts. for 10, \$6 per 100.

Red Phipps. *Red.* Rich and glowing, free-flowering and strong. A general favorite. Eight flowers open at once. Midseason. 50 cts. for 10, \$4.50 per 100.

Rewi Fallu. *Dark red.* Very brilliant, large, and highly ruffled flowers, 6 to 8 open at a time. The finest deep blood-red Gladiolus. 80 cts. for 10, \$7.50 per 100.

Rosa van Lima. *Light pink.* Pure self-colored light pink, with many flowers open at one time on fine strong, straight stems. Fine clear pink without a trace of salmon. 80 cts. for 10, \$7.50 per 100.

Rudolph Serkin. *Dark blue.* Finest pure pancy shade, with very large flowers. \$1.30 for 10, \$12 per 100.

Shirley Temple. *White with cream throat;* the flowers are large, and beautifully ruffled. As many as 12 open at one time. 65 cts. for 10, \$6 per 100.

Smiling Maestro. *Salmon-orange.* Very large flowers measuring 6 to 8 inches across. Splendid exhibition variety with frequently 10 to 12 flowers open at once. 65 cts. for 10, \$6 per 100.

Souvenir. *Yellow.* Of the many shades and tints in the beautiful Primulinus type we consider Souvenir the best pure yellow. Flowers graceful and somewhat small. 50 cts. for 10, \$4.50 per 100.

Star of Bethlehem. *White,* with a touch of crimson on the lower petals. Tall, slender spike with 6 to 8 immense florets open at one time. Exhibition sort. Early. 65 cts. for 10, \$6 per 100.

Vagabond Prince. *Art shade.* The florets are a shining reddish brown color, and on the lower petals there is a splash of vermilion. An interesting color combination, and a fine sort. 65 cts. for 10, \$6 per 100.

Valeria. *Light red.* A fine self color, with many flowers open at once; extra good. It keeps well and its color stands. \$1.30 for 10, \$12 per 100.

Wasaga. *Buff.* Clear golden buff throughout, without a trace of any other color. Petals are somewhat ruffled, and carried gracefully on strong stems. Midseason. Primulinus variety. 50 cts. for 10, \$4.50 per 100.

White Butterfly. *White,* with a soft, creamy white throat. A slender stem bears somewhat small flowers, ideal for cut-flower work. The best white Primulinus variety. 55 cts. for 10, \$5 per 100.

Wurtembergia. *Scarlet;* fiery, with cream blotch. One of the finest exhibition sorts. 65 cts. for 10, \$6 per 100.

Yellow Emperor. *Yellow.* The florets are self-colored, and about the same hue as King Alfred daffodil; handsome spikes. 60 cts. for 10, \$5.50 per 100.

Zuni. *Smoky salmon-purple.* A rich salmon and slate, suffused purple. Ten enormous flowers open at once. Tall. \$1.60 for 10, \$15 per 100.



Lily-of-the-Valley

American Hybrids Mixed

We include a splendid variety of named sorts. The popular price warrants liberal planting. Well matured and good growers; excellent for cut-flower purposes or for mixed borders. 45 cts. for 10, \$4 per 100.

GLADIOLUS THrips

A destructive insect of microscopic size causing a silvery appearance on the foliage, drying of the flower-buds, and a general blighting of the plant.

Gladiolus corms obtained from us have been treated to control thrips. On their arrival, however, we recommend:

Before Planting

1. Remove the skins, so that "bare" corms are planted. Do not injure the tips.
2. Stir 2½ ounces of Semesan in one gallon of water. Immerse the corms in the liquid for seven hours; dry and plant.

During Growth

3. Spray with Sawco Thrip Spray. Dissolve one pound in 10 gallons of water and apply every two weeks.

When Bulbs Are Lifted

4. In autumn, burn the tops cut from the lifted corms. Place corms in a low, but not freezing, temperature for six weeks.
5. Next cover with paper, first dusting through them one pound of Thripco to each 1000 corms. Avoid containers with close-fitting lids; ventilation is necessary.
6. At the end of one month, shake out the Thripco or Naphthalene Flakes, and store the treated corms in the usual way.

LILY-OF-THE-VALLEY

For Outdoor Planting

We recommend the use of individual roots or "pips," rather than clumps for planting a Lily-of-the-Valley bed. They should be two years old, and may be set out at intervals of 4 inches each way. We offer high-quality pips. 10 pips 65 cts., 25 pips \$1.50, 100 pips \$5.

Note. Imported Valley pips for greenhouse culture are not available—due to war.

Bulbs in Cold Storage

We carry the following bulbs in cold storage for planting in your greenhouse for late spring blooming.

Retarded Lilies

	Per case of 50 bulbs
Pardalinius giganteum. 7 in.	\$20 00
Regale. 10 in.	25 00
Titignum. Single; 8 in.	25 00
Case of Lilies contains 50 bulbs.	

Retarded Spiraes

	Per doz.
Gloria superba. Deep pink.	\$15 00
Queen Alexandra. Light pink.	12 50
Deutschland. White.	15 00
Case of Spiraes contains 12 clumps.	

Gladiolus for September Blooming

Many of our patrons desire Gladiolus Bulbs for September blooming. In the neighborhood of New York they should be planted July 1 to 15. Order your Bulbs in April. We reserve them and place them in our Cold Storage Warehouse.

Several plantings of Gladiolus may be made from spring up to July 15 for a succession of bloom

STUMPP & WALTER CO.

HARDY LILIES

Lilies are so beautiful, and many of them are so fragrant, that you may think they are hard to grow, but such is not the case with most of the following varieties—they are easy.

Generally, they are best planted where their roots will be in shadow and their stems and leaves in full light. Ideal positions are amid shrubs or in the annual or perennial border, or in the companionship of ground-cover. Any good garden soil will serve, provided it drains well. Spade the land to a depth of 18 inches and work in our Bulb Fertilizer; plant the bulbs in groups of three or more of a kind, setting

them on a 1-inch layer of sand. This will aid soil drainage, and prevent the bulbs rotting through excess moisture.

Many Lilies are "stem-rooters," that is, they develop roots on the stem above the bulb, in addition to roots below the bulb. Other kinds are "basal-rooters," depending on roots below the bulb only. Stem-rooters are planted deep enough that the top of the bulb is covered by a thickness of soil twice the size of the bulb, from base to top; basal-rooters are planted shallow, overlaid by soil equal to one-half the size of the bulb.

Canadense. The red Meadow Lily of fields and roadsides. In July, its tall stems, 3 to 5 feet high, bear great sprays of nodding, bell-like bright orange flowers dotted with maroon. It is stem-rooting, likes moist well-drained acid soil. Plant 8 inches deep in full sun or light shade and roots should be kept cool with a ground-cover. 35 cts. each, \$3 for 10, \$25 per 100.

Canadense flavum. Pale yellow form of above. 35 cts. each, \$3 for 10, \$25 per 100.

Carolinianum. The Southern Swamp Lily. It grows 2 to 4 feet high, likes moist ground, but good drainage, and will endure almost total shade. The fragrant flowers are orange-crimson with a whitish throat and hang like bright red bells at the top of the stem. Plant 5 to 6 inches deep. Blooms in July. 40 cts. each, \$3.50 for 10, \$30 per 100.

Grayi. Gray's Lily. Modest, bell-shaped flowers of orange-brown outside and bright red-orange and yellow inside, thickly powdered with darker dots. Grows 2 to 4 feet high, likes slightly acid, moist, loamy soil and a sunny place, such as a stream-bank. Blooms in July. Plant 4 inches deep. 40 cts. each, \$3.50 for 10, \$30 per 100.

Hansoni. Hanson's Lily. Delicately fragrant, nodding flowers of pale yellow-orange, with thick, waxy, recurved petals, in clusters on stems 2 to 4 feet high. Likes any kind of soil and shade, and blooms very early in June. One of the really dependable which live on and on, bearing a larger crop of the waxy flowers each year. Plant 6 to 8 inches deep. 50 cts. each, \$4.50 for 10, \$40 per 100.

Pardalium giganteum. Sunset or Giant Leopard Lily. The most spectacular of American Lilies, and one of the world's finest. An illustration in color appears on page 62. Brilliant orange-red on the reflexed portion of the segments, the faces of the magnificent "turk's caps" are rich yellow closely dotted with brown spots. The flowers are borne in clusters up to ten on strong 5 to 8-foot canes which are clothed with whorls of pleasing foliage. It is one of the easier Lilies to grow, succeeding in full sun or partial shade. Blooms in July and should be planted 6 to 8 inches deep. 25 cts. each, \$2.25 for 10, \$20 per 100.

Philadelphicum. Wood Lily, Orange Cup Lily. One of the most striking native plants of the eastern states, thriving in dry, sandy places with partial shade. The short stalks are 1 to 2 feet high, with dark red, erect cup-shaped flowers in July. Plant 5 inches deep. 35 cts. each, \$3 for 10, \$25 per 100.

Philippense formosanum (Price's Variety). Sometimes described as the hardy Easter Lily. Clusters of long white trumpets glorify 2-foot stems in July and August. An emerald-green throat adds to the picturesque flower. Fragrance is mild but delightful. A grand Lily for foreground planting and the rockery. Plant 5 to 6 inches deep. 50 cts. each, \$4.50 for 10, \$40 per 100.

Regale. The Royal Lily. A gorgeous Lily originally from the wilds of Tibet and western China, with enormous alabaster trumpets tinged with rose outside and suffused with gold within. This is one of the most popular of all white Lilies, and the easiest to grow. Stem-rooting; plant 6 to 8 inches deep in any good well-drained soil. Grows 4 to 6 feet tall. Blooms in July. An illustration of this variety in full color will be found on page 62.

First-size Bulbs, 6 to each	10	20	30
7 in. circum.	\$0 20	\$1 80	\$15 00
Mammoth Bulbs, 7 to			
8 in. circum.	25	2 25	20 00
Jumbo Bulbs, 8 to			
9 in. circum.	40	3 50	30 00
Monster Bulbs, 9 to			
10 in. circum.	50	4 50	40 00

Scottiae. This cross between *L. Willmottiae* and *L. elegans*, Mahogany, grows 2 to 3 feet tall. The flowers are Turksaps of salmon-orange spotted with purple and bloom in clusters in July. They seem to thrive in full sun or partial shade. \$1 each, \$9 for 10.

Superbum. The Turk's-Cap Lily. It grows 5 to 8 feet high, with an immense, pyramidal cluster of brilliant orange-red, turban-shaped flowers, yellowish inside and spotted brown. Plant 6 inches deep in well-drained, slightly acid, or neutral soil well filled with peat or leaf-mold. This Lily does best in partial shade. Blooms in July. 20 cts. each, \$1.80 for 10, \$15 per 100.

Tenuifolium. Coral Lily. A dwarf, very graceful Lily, with thread-like leaves and clusters of nodding, tiny, bell-like, recurved flowers of brilliant coral-red in June. Illustrated in color on page 62. Likes damp soil among rocks, with access to sunlight above. Plant 6 inches deep. 20 cts. each, \$1.80 for 10, \$15 per 100.

Tenuifolium, Red Star. Flowers are similar to the above but the petals are broader and less reflexed. Plant 4 to 5 inches deep in full sun. Blooms in June. 40 cts. each, \$3.50 for 10, \$30 per 100.

Testaceum. Nankeen Lily. The stalks grow 3 to 6 feet tall and bear three to more than a dozen very charming, nodding, Turk's-Cap flowers, white outside, dusky orange or pale apricot within. Plant 2½ inches deep in sweet soil. Blooms in June and July. \$2 each, \$18 for 10.

Tigrinum splendens. The Tiger Lily is well known, with its showy, spotted red-orange flowers in wayside gardens in August and later. Very easy to grow, thriving in full sun in any soil. Plant 6 inches deep. 35 cts. each, \$3.25 for 10, \$25 per 100.

Tigrinum flore-pleno. The double Tiger Lily is even showier and more handsome. 35 cts. each, \$3.25 for 10, \$25 per 100.

Umbellatum grandiflorum erectum. Vivid orange-scarlet flowers held upright and produced in June. Of easy culture and particularly suited for the border. Plant 4 to 6 inches deep in full sunlight in well-drained soil containing peat or leaf-mold. 40 cts. each, \$3.50 for 10, \$30 per 100.

Washingtonianum. Opens white, changing to varying shades of wine-color, slightly spotted deeper. Remarkably robust, free-blooming, and wonderfully fragrant. Blooms June and July. Stem-rooting; plant 10 inches deep in partial shade and watch the drainage. 60 cts. each, \$5.50 for 10, \$50 per 100.

Willmottiae. A fine free-flowering species from China, of graceful habit with rich green slender foliage and bearing 15 to 20 brilliant orange-red flowers measuring 3 inches across, with recurved petals freely dotted with brownish spots. A lovely variety for the garden; needs staking. July, August. Height 4 to 5 feet. 50 cts. each, \$4.50 for 10, \$40 per 100.





Dahlia, Virginia Rute



Dahlia, Golden Standard



Dahlia, California Idol



Dahlia, Son of Satan

NOVELTY DAHLIAS FOR EXHIBITION

This list includes only those that we consider worthy of a place in every garden; it represents the cream of the finest varieties that have been developed to date. Many are proved prize-winners.

Initials immediately following each name indicate the class to which the Dahlia belongs, thus:

F.D.—Formal Decorative Dahlias. Fully double flowers, floral rays generally

broad, either pointed or rounded at tips, with outer floral rays tending to be cupped; all floral rays somewhat regular.

I.D.—Informal Decorative Dahlias. Double flowers, rays generally long, twisted, pointed; usually irregular in arrangement.

Semi-C.—Semi-Cactus Dahlias. Fully double flowers with the margins of the majority of the floral rays revolute for less than one-half of their length.

I.C.—Incurred Cactus Dahlias. Fully double flowers with the margins of the majority of the floral rays revolute for one-half or more of their length, the floral rays tending to curve toward the center of the flower.

C.—Recurved or Straight Cactus Dahlias. Fully double flowers with the margins of the majority of the floral rays revolute for one-half of their length or more, the floral rays being recurved or straight.

THE NEWEST ALL-STAR VARIETIES

We are always first with roots of the latest kinds. We offer eight outstanding honor-roll introductions. These have scored very highly at official trial-grounds and won many prizes at Dahlia shows.

THREE ULTRA NOVELTIES: INTRODUCED IN 1942. THESE ARE COLLECTORS' PIECES

IVORY PRINCESS. Semi-C. The color is new for Dahlias—a beautiful shade of ivory. Giant flowers are on long, stiff stems, and the bush grows about 6 feet. Winner of the Gold Medal in the American Dahlia Society's Show; and is on two Honor Rolls. \$6.50 each.

STEPHEN FOSTER. I.C. Orange-buff, slightly suffused with Tyrian rose on both face and back of the florets. Blooms grow to 12 inches across, by 7 inches in depth. Quite a tall grower. Won the Achievement Medal at Peekskill, N. Y., and the American Dahlia Society's Medal at Baltimore. On all Honor Rolls, including Dahlia Futurity Roll. \$6.50 each.

VELVET KING. I.D. The outstanding variety in the Informal Decorative Class. The color is royal red, and the flower averages 10 inches in diameter, by 6 inches in depth. The bush is of medium height, with heavy foliage. Stems are stiff, holding the flowers erect. Sweepstake winner at the State Show of the Dahlia Society of Ohio; and is on two Honor Rolls. \$6.50 each.

COLLECTION D833: 3 Dahlias, 1 each of the above
(value \$19.50), \$17.50

FIVE NOVELTIES INTRODUCED IN 1941.

ALL AMERICAN. Semi-C. The color is a mulberry-rose, suffused with salmon; the florets are waxy yellow at the base and are somewhat twisted. Bushes grow 6 feet high, covered with immense blooms on straight stems. This is a very rugged variety and a great prize-winner. Won the American Home Achievement Medal at Wisconsin State Show, Milwaukee. Was the "Most Outstanding" bloom at Peekskill, N. Y., and Poughkeepsie, N. Y. First in the Semi-Cactus class at the Central States Show and blue ribbon winner at several other shows. We sold this last year for \$6.50. Our price this year is \$4 each.

BLUE MOON. F.D. A gorgeous giant bloom, 12 inches in diameter, lavender-blue in color, shading to lilac-purple at the center. Strong grower with heavy foliage. Winner of the Achievement Medal and a place on the Honor Roll. Last year \$6.50, this year's price \$3 each.

To Win Prizes These Are the Sorts You Must Have

CROWNING GLORY. I.C. Giant flowers of mallow-pink softening to cream at center. American Home Achievement Medal at Peekskill, N. Y., and Washington. Gold Medal winner, New York. In Futurity and Honor Rolls. \$4 each.

DOROTHY LAMOUR. C. Fine orange color; the 10-inch flower is of great depth. Beautifully formed, very free flowering on the best of stems. Winner of a place on the Honor Roll and a Futurity Winner. \$4 each.

EDITH WILLKIE. Semi-C. A real white all-time champion. Stems are long and straight. Blooms have been shown up to 15 inches across. This Dahlia is undefeated in two years of showing. Winner of Home Achievement Medals, Gold Certificate as a seedling, and gained many blue ribbons at the New York Dahlia Show. \$5 each.

COLLECTION D835: 5 Dahlias, 1 each of the above (value \$20), \$17.50

GENERAL LIST OF LARGE-FLOWERING DAHLIAS

Selected Varieties for Exhibition, for Garden Display, for Cut-Bloom

- AMERICAN VICTORY.** I.D. Truly an outstanding giant; a free-flowering variety of dazzling scarlet. Size up to 13 inches. A healthy, vigorous grower, holding its immense blooms upright on the best of stems. A good stock of fine tubers makes it possible to offer this wonderful new Dahlia at the low price of \$2.50 each, \$22.50 for 10.
- ALICE MAY.** I.D. A really great new white that is sensational. The flower is tremendous, with a beautiful artistic form. Clean, strong, long stems. Without a doubt one of the finest Dahlias to date. Extra. 75 cts. each, \$6.75 for 10.
- AZURA.** I.D. A magnificent rosy pink, very large deep flower which can compete in the largest classes; many blooms measure 12 inches. Plant is tall and strong, free-blooming and the blooms have a distinct form. 75 cts. each, \$6.75 for 10.
- BLUE BIRD.** I.D. A fine garden variety. Large flowers of beautiful form and unusual and attractive color. Blooms freely. The nearest to blue of any Dahlia. 50 cts. each, \$4.50 for 10.
- BOB WHITE.** F.D. Pure white, giant flowers, full and deep, borne on long cane stems that hold them absolutely upright. Good clean grower; resistant to insects. This wonderful creation is a sensation. We have never seen a white bloom so freely. 50 cts. each, \$4.50 for 10.
- CALIFORNIA IDOL.** I.D. An outstanding giant, and a prize-winner from coast to coast. Clear, bright, glistening yellow. Has everything a really great Dahlia should have. Vigorous, healthy grower and good bloomer. 50 cts. each, \$4.50 for 10.
- CARL G. DAHL.** I.D. Enormous Dahlia of apricot-buff, shading to old-rose on reverse of petals. Prolific bloomer; long, fine stems, vigorous grower and very fine for exhibition. A frequent prize-winner as the largest Dahlia. \$1 each, \$9 for 10.
- CHAPPAQUA SUNSET.** S.C. A golden suffusion on bronze is overlaid with a brassy sheen. The florets twist and disclose the reverse color, which is rose. Stems are strong and the growth husky. Flowers up to 12 inches in diameter. Height 5 feet. Award of Honor, Georgia. \$1 each, \$9 for 10.
- ELKRIDGE.** Semi-C. This large, pure white variety is of fine form and great substance. It flowers very freely on long, strong stems. Has won many prizes. 50 cts. each, \$4.50 for 10.
- GLAMOUR.** I.D. A real giant Dahlia. True purple, edged amaranth-pink; very distinct. Strong, rugged grower. An achievement medal-winner. \$1.50 each, \$13.50 for 10.
- GOLDEN STANDARD.** C. Splendid 9-inch flower of Cactus form. A great prize-winner. Strong, thrifty grower and free bloomer. A pleasing golden fawn shade with a darker center. 50 cts. each, \$4.50 for 10.

- GREATER GLORY.** Semi-C. Immense artistic blooms of deep rose-pink, shading to creamy white center. Flowers held proudly aloft on very long stems. 75 cts. each, \$6.75 for 10.
- HUNT'S VELVET WONDER.** I.D. Deep burgundy-red flowers up to 15 inches across. Roll of Honor and Award of Merit. 50 cts. each, \$4.50 for 10.
- JANE COWL.** I.D. Deep, massive blooms of a bronzy buff and old-gold, blending darker toward the perfect center. A stem of unusual strength holds this giant Decorative over an ideal plant, while the foliage is the leathery kind that insects seldom injure. 30 cts. each, \$2.75 for 10.
- JEAN KERR.** F.D. Glistening waxy white of fine form; medium size; always in bloom; perfect for cutting and decorating. 25 cts. each, \$2.25 for 10.
- JERSEY'S BEAUTY.** F.D. This is, without a doubt, one of the finest true pink Decorative Dahlias yet introduced. 25 cts. each, \$2.25 for 10.
- KEMP'S FORT MONMOUTH.** I.D. One of the giants of the Dahlia world. In color it is a rich crimson-maroon, with a faint tint of bluish violet at tips of petals. An immense flower, frequently 13 inches in diameter, and borne on long, strong stems, well above the foliage. Excellent Dahlia for exhibition. 50 cts. each, \$4.50 for 10.
- KENTUCKY.** F.D. A sport of Jersey's Beauty, having the same good qualities. Color is a wonderfully brilliant light salmon-orange, shading to orange-yellow at base of petals, deepening to grenadine-pink on the reverse of petals. Long, strong stems. 25 cts. each, \$2.25 for 10.
- MAFFIE.** Semi-C. One of the largest Dahlias grown. The lively carmine blooms were head and shoulders above others in the big seedling class at Camden, N. J. Winner of the Achievement Medal, also the class for best and largest bloom, at three shows. \$2 each, \$18 for 10.
- MARY TAYLOR.** I.C. A fine, deep, flesh-pink and gold Dahlia—an unusual combination. Blooms are 9 inches in diameter and 4 inches through, held on fine stems. A good keeper. Grows 6 feet high. On the Honor Roll. Achievement winner, and scored at East Lansing Trial Gardens. A Dahlia with a great future. 75 cts. each, \$6.75 for 10.
- MRS. GEORGE LE BOUTELLIER.** I.D. Rich velvety carmine blooms, giant in size and outstanding in every way. Healthy, vigorous grower and winner of many prizes. 50 cts. each, \$4.50 for 10.
- MURPHY'S MASTERPIECE.** I.D. This greatest of all dark red giant Dahlias has been winning for years as the largest flower. \$1 each, \$9 for 10.
- PINK GIANT.** I.D. A magnificent bright pink that is little short of being called a perfect flower. Blooms are very large, deep and borne in great profusion. They are boldly held, facing sideways, on strong stiff stems, well out of the strong, vigorous bush. 50 cts. each, \$4.50 for 10.

- RED KING.** F.D. Vivid rich red Dahlia of fine habit, with long stems and flowers produced very freely; they are 6 to 8 inches across, of firm texture and with lasting qualities. Very fine for cutting. 50 cts. each, \$4.50 for 10.
- SILVER LADY.** I.D. Ivory-white, lightly flushed and edged violet-rose. With rugged foliage, fine long stems, and its delicate coloring, it is a beautiful and perfect Dahlia. Everyone will be charmed with it. Certified, West Virginia and recommended, Georgia; on Johnson's Futurity, 1940. 75 cts. each, \$6.75 for 10.
- SON OF SATAN.** S.C. Brilliant scarlet of immense size. This is a sensational four Honor Roll Dahlia and a very vigorous grower. 75 cts. each, \$6.75 for 10.
- SUNRAYS.** I.D. Beautiful clear buff suffused apricot, with a distinct peach-red on the reverse of petals. One of the best Dahlias grown. 75 cts. each, \$6.75 for 10.
- VIRGINIA RUTE.** I.D. Rich oxblood-red, with broad, pointed petals and a tight center. Good form and substance, the flowers holding well out of the foliage on long, strong stems. Insect resistant. Fine for exhibition. \$1.50 each, \$13.50 for 10.
- VOLCANO.** F.D. An orange flame-red, which holds its color in the sun. Foliage is heavy and leather-like. Successful contestant in the largest bloom class. It keeps well. 75 cts. each, \$6.75 for 10.
- WATCHUNG GIANT.** I.D. Deep amber-yellow suffused orange-cadmium. Wins consistently. Most profuse in blooms. Does well in all sections of the country. 75 cts. each, \$6.75 for 10.
- WHITE KING.** F.D. A pure white, large-flowering Dahlia of very beautiful form and substance. Free flowering, on long stems. Splendid for the garden or exhibition. 30 cts. each, \$2.75 for 10.



Dahlia, Chappaqua Sunset

Preparing Soil for Dahlias: Spread one pound of Humus per square foot on sandy or clayey land; spread one pound to 10 square feet of Sawco Dahlia Food on all types of soil. Dig and rake smooth



Single Dahlia

SINGLE DAHLIAS

These are effective in the garden, and are wonderful for cut-bloom.

In four beautiful colors: White, Pink, Red and Yellow. 30 cts. each, \$2.75 for 10.

COLLECTION No. 94F: One root each, four colors (value \$1.20), for \$1.10.

POMPON DAHLIAS

We offer below a select list of these beautiful Pompon Dahlias, a miniature form of the Show Dahlias, having the same ball-like form, but much smaller in size. The plants are also smaller, of branching habit, and produce an endless profusion of flowers which are invaluable for table decoration and boutonnières.

- Betty Anne. Dainty pink.
- Edith Muller. Rosy orange and yellow.
- Golden Beauty. Bright yellow.
- Indian Chief. Rich red tipped white.
- Morning Mist. Light lavender and white.
- Red Gem. Rich deep red.
- Snowbird. Pure white.

Above 7 varieties, 25 cts. each, \$2.25 for 10

COLLECTIONS OF POMPON DAHLIAS

No. 94D. Seven roots, one each of the above (value \$1.75), for \$1.50.

MINIATURE DAHLIAS

Flowers less than 3½ inches in diameter

These are increasing in popularity and interest. After careful tests, we are including many new and meritorious varieties, giving a complete range of distinct colors and forms. All types of Dahlias are to be found in this section, but the plants are dwarf and the flowers are perfect gems, ideal for cut-flower purposes. They are also invaluable for borders, hedges or planting in the perennial garden. Since their height is between 1½ and 3 feet, they need no supporting stakes and may be used for bedding. Pinch them to keep the plants uniform.

***BABY ROYAL.** Semi-C. Salmon-pink shaded apricot. Free bloomer. 35 cts. each, \$3.15 for 10.

***BISHOP OF LLANDAFF.** Peony-flowered. Bright scarlet; duplex form. Attractive fern-like, reddish purple foliage. This fine variety is illustrated with others on page 61. 35 cts. each, \$3.15 for 10.

CORINNA. F.D. Well-formed blooms of brilliant yellow. 35 cts. each, \$3.15 for 10.

COURONNE. I.D. Pure, waxy white; form very much like a gardenia. 35 cts. each, \$3.15 for 10.

FAIRY. F.D. Violet-rose, shading to mauve at the tips. Keeps wonderfully when cut. 35 cts. each, \$3.15 for 10.

JAMBOREE. Semi-C. Beautiful shade of soft salmon-pink. A prize-winning variety. 50 cts. each, \$4.50 for 10.

***LITTLE JENNIE.** I.C. Flesh-pink, tinted with rose and yellow. Early and free flowering. 50 cts. each, \$4.50 for 10.

***ORCHID LADY.** F.D. Dainty pure orchid-pink of fine form. Distinct. 40 cts. each, \$3.60 for 10.

ORANGE ROYAL. I.C. A new Dutch variety which arrived on the last boat sailing from Holland. Similar to Baby Royal except in color; this is a clear brilliant orange. 50 cts. each, \$4.50 for 10.

***SYLVIA.** F.D. Brilliant deep red; flowers of beautiful form. A low grower and free flowering. 50 cts. each, \$4.50 for 10.

COLLECTIONS OF MINIATURE DAHLIAS

No. 94A. 5 roots, 1 each, sorts marked * (value \$2.10).....\$1.75

No. 94B. 10 roots, 2 each, sorts marked * (value \$4.20).....\$3.50

No. 94C. 25 roots, 5 each, sorts marked * (value \$9.45).....\$8.00

Planting Dahlia Roots: Spread some unfertilized soil over the enriched earth. Place the Dahlia root horizontally two inches below the surface; fill the hole with soil and tread firmly.

Poles and Holes for Dahlias. Drive in Dahlia Poles four feet apart each way, and dig a hole at the foot of each. Drop in a handful of Sawco Dahlia Food, and mix well.

ORCHID-FLOWERING DAHLIAS

These have single flowers, but the margins of the ray-florets turn inward toward the tips to become more or less tubular. Beautiful and attractive.

MIXED SEEDLINGS. Here is a splendid blend made up of the most interesting kinds and rainbow-like in its effect, because all colors are included. No names. 25 cts. each, \$2.25 for 10.



Orchid-flowering Dahlias

GARDEN FULL OF DAHLIAS FOR \$2 Retail Value \$4.50

Sold in a Collection

These are kinds of which we have large stocks, and all of them are good; it is your opportunity to become acquainted with the delights of Dahlia-growing.

No. 94F: 12 Distinct Sorts, Each Root Clearly Marked with Its Name

This Collection will enable you to have enormous flowering kinds, and also to try the interesting Pompon type.

SEVEN EXHIBITION SORTS

- | | |
|--------------------------|--------------------------|
| California Idol. Yellow. | Kentucky. Salmon-orange. |
| Jane Cowl. Bronze. | Watchung Giant. Chamois. |
| Jersey's King. Pink. | White King. Pure white. |
| Red Beauty. Deep red. | |

THREE POMPON SORTS

- | | |
|----------------------------------|-----------------------------------|
| Edith Muller. Rosy orange. | Morning Mist. Lavender and white. |
| Indian Chief. Red, tipped white. | |

TWO FINE MINIATURES Orchid Lady. Orchid-pink.
Sylvia. Deep red.



S. & W. CO.'S GUARANTEED ROSES

Our Roses are re-selected from selected No. 1 grade plants and are the best obtainable. Each will have three or more branches, according to the characteristics of the variety. They are dug in late autumn, the roots being wrapped in damp moss, and stored over winter. Proper storage is essential for the well-being of living merchandise—the facilities which we have, with modern methods for controlling temperature and humidity, are ideal. These healthier plants will show superior quality when growing in your garden. Planted in spring, practically all types will bloom this year; the exceptions are a few Climbers, which may not flower until 1944.

WE GUARANTEE our Roses to reach you in good condition and to live; we will replace without charge any that may not be alive two months after you purchase them.

Outstanding Popular Everblooming Roses, Hybrid Tea-scented (Will bloom this summer)

***Apricot Queen.** Patent 464. A strong-growing variety with shiny, leathery foliage. The long-pointed bud opens to a fragrant flower of perfect shape, with petals of orange and apricot at the base, merging to salmony rose and phlox-pink. A lovely combination. 45 petals. Dormant plants, \$1.25 each, \$13.75 per doz. In pots, \$1.50 each, \$16.50 per doz.

***Caledonia.** Large high-centered bloom of snowy white. A fine cut-flower and prize-winner at the shows. Fragrant. 25 petals. Dormant plants only, \$1 each, \$11 per doz.

***California.** Patent 449. A vigorous plant with glossy foliage, blooming with unusual freedom. Bud is long and pointed, and opens to an enormous flower, 5 to 6 inches across. Ruddy orange, toned with saffron-yellow; exterior of the petals is overlaid with rose. A dual-tone effect of much richness. Rich fruit fragrance. 30 petals. Dormant plants only, \$1.50 each, \$16 per doz.

***Charlotte Armstrong.** Patent 455. A large splendidly formed flower of spectrums-red on strong branching plant. Fragrant. 35 petals. Dormant plants, \$1.25 each, \$13.75 per doz. In pots, \$1.50 each, \$16.50 per doz.

***Crimson Glory.** Patent 105. Unshaped buds open to splendidly formed velvety crimson flowers with scarlet tones in summer and blackish shades in fall. The blooms are deliciously fragrant. Healthy plants of moderate growth. 25 to 30 petals. Dormant plants, \$1 each, \$11 per doz. In pots, \$1.25 each, \$13.75 per doz.

***E. G. Hill.** A dependable, fragrant, crimson-red Rose borne singly on long stems. Upright, free-blooming plants. Dormant plants only, \$1 each, \$11 per doz.

****Golden Diamond.** Patent applied for. Splendid new variety; ideal companion to Pink Diamond, and a beautiful shining yellow-gold. Markedly resistant to disease. The long spiral buds open to perfect double flowers. 45 petals. Dormant plants only, \$2 each, \$22 per doz.

****Heart's Desire.** Patent 501. Long bright red buds open to graceful blooms of velvety red. Wonderful fragrance. Strong bushy plants bloom generously. 25 petals. Dormant plants only, \$1.50 each, \$16.50 per doz.

***Kaiserin Auguste Viktoria.** Perfectly formed white buds open slowly to high-centered, fragrant blooms of snow-white. Upright, healthy plants. 100 petals. Dormant plants only, \$1 each, \$11 per doz.

***Mme. Henri Guillot.** Patent 337. Unshaped buds open to watermelon-pink flowers of attractive form. Bushy plants with good foliage. 25 petals. Dormant plants only, \$1.25 each, \$13.75 per doz.

****Mrs. Oliver Ames.** Patent 497. The flower is a rich self color—medium yellow. It is of good substance, averaging 60 petals. Outstanding features are its exceptional fragrance and the strong-growing, healthy plants. Dormant plants, \$1 each, \$11 per doz. In pots, \$1.25 each, \$13.75 per doz.

***Orange Nassau.** Patent 350. A splendid deep orange Rose with large blooms of fine shape, averaging rather more than 50 petals. A Rose of startling color. Dormant plants only, \$1 each, \$11 per doz.

****Pink Diamond.** Patent 516. Slender pink buds open to a spiral bloom of dainty shell-pink. Upright free-blooming plants. 35 to 40 petals. Dormant plants, \$1.50 each, \$16.25 per doz. In pots, \$1.75 each, \$19 per doz.

***President Macia.** The very long pink bud, which is heavily veined with darker pink, opens to a mammoth 6-inch flower. Petals are flesh-color, with a yellow tinge toward the base. Valuable both in the bud and the open bloom. Fragrant. One of the most beautiful of all Roses. 25 petals. Dormant plants only, \$1 each, \$11 per doz.

****Radiance.** The world's favorite pink Rose has cupped blooms of two-toned pink, chock full of the rich fragrance of old-time Roses. The plants are tall, bloom freely, and are disease-free; a strong, vigorous grower. 23 petals. Dormant plants only, \$1 each, \$11 per doz.

****Red Radiance.** A red counterpart of Radiance, with the same splendid growth and quantity of large, richly fragrant blooms. Color is cerise-red. Blooms freely. 23 petals. Dormant plants only, \$1 each, \$11 per doz.

Hardy Hybrid Perpetuals

The June-blooming Roses (Bloom This Summer)

Among these are to be found some of the largest Rose blooms; they are markedly resistant to severe climatic conditions.

Frau Karl Druschki. Pure white in color.

****General Jacqueminot.** Scarlet-red.

****Henry Nevard.** Crimson-scarlet.

Mme. Albert Barbier. Large; soft fawn-yellow.

***Mrs. John Laing.** Double; clear pink; sweet-scented.

Any of above, Dormant plants, 90 cts. each,

\$10 per doz., \$75 per 100

To Help You Choose

Everyone enjoys the *scent of Roses*, and all our everblooming varieties are fragrant; sorts marked * have a pronounced perfume, and those marked ** even more so.

The number of petals indicates the double-ness of a Rose: one with 17 is a semi-double bloom; one with 100 petals is heavy and tight, like the old-time cabbage Rose.

Baby Ramblers or Polyanthas

Shapely bushes, mostly 1½ feet high.

Cecile Brunner (Sweetheart Rose). Dainty flowers of soft pink and yellow.

Gloria Mundi. The new orange-scarlet.

Ideal. Beautiful dark red.

Mrs. R. M. Finch. Double; pink ages white.

Orange Triumph. Scarlet-orange flowers.

Dormant plants, 90 cts. each, \$10 per doz., \$75 per 100

Climbing Roses for Fence, Trellis, and Post

Climbing Roses may be trained over an arch, draped around posts, or festooned from one post to another. Planted on steep slopes, and pegged down, they hold the soil against erosion. They require no pruning in the spring except the cutting out of very old or dead wood, and the shortening of the laterals and long canes to make the growth conform to the space to be covered, but prune severely in July, directly after they have finished flowering.



Climbing American Beauty

Climbing American Beauty. A pleasing rose-pink. Dormant plants, 90 cts. each, \$10 per doz. In pots, \$1.15 each, \$12.75 per doz.

Dr. W. Van Fleet. The long, pointed buds are of a rich flesh-pink. This is the easiest to grow and the most satisfactory of all the light pink climbing Roses and the plants are especially vigorous. Dormant plants only, 90 cts. each, \$10 per doz.

Easlea's Golden Rambler. Patent 114. Clusters of large, chrome-yellow and maddery orange blooms. Dormant plants, \$1 each, \$11 per doz. In pots, \$1.25 each, \$13.75 per doz.

Golden Glow. Patent 263. A vigorous companion to Apricot Glow, but pure bright yellow blooms. Profuse bloomer. Dormant plants, \$1 each, \$11 per doz. In pots, \$1.25 each, \$13.75 per doz.

Jacotte. Coppery yellow. Fragrant. Dormant plants only, 90 cts. each, \$10 per doz.

Mary Wallace. Large, rose-pink flowers. Dormant plants, 90 cts. each, \$10 per doz. In pots, \$1.15 each, \$12.75 per doz.

New Dawn (The Everblooming Dr. W. Van Fleet). Patent No. 1. Really the most satisfactory Everblooming Climber introduced. Flesh-pink in color. Dormant plants, \$1.25 each, \$13.75 per doz. In pots, \$1.50 each, \$16.50 per doz.

Paul's Scarlet Climber. A vivid scarlet which does not bleach or fade. Established plants often repeat several times during the season. Dormant plants, 90 cts. each, \$10 per doz. In pots, \$1.15 each, \$12.75 per doz.

Prosperity. The buds are tinted pink, but the flowers open to snow-white; they are in extra large clusters. Blooms all summer and fall. Makes 8 to 10 ft. canes. Dormant plants only, \$1 each, \$11 per doz.

Silver Moon. Pure white in color. Dormant plants, 90 cts. each, \$10 per doz. In pots, \$1.15 each, \$12.75 per doz.



Climbing Mary Wallace

Tree Roses

Will bloom this summer on strong, straight 3 1/2-foot stems

Plant them in your hardy border or Rose-garden, where they will stand head and shoulders above their companions. Over winter they may be dug up and buried in a trench, or heeled in under a shed. In mild latitudes fix straw among the branches, without digging.

- ***Imperial Potentate.** Dark rose-pink.
- ***Margaret McGredy.** Oriental red.
- ***Mme. Jules Bouche.** White. Fragrant.
- ***Mrs. E. P. Thom.** Yellow. Mild scent.
- ***Mrs. Pierre S. du Pont.** Golden yellow.
- ***President Hoover.** Yellow and pink.
- ***Radiance.** Pink. Popular favorite.
- ****Red Radiance.** Red. Richly fragrant.
- ***Talisman.** Golden yellow and copper.

Pot-plants only, ready after May 1, \$4 each

Two-Variety Tree Roses

Novel and attractive. Two sorts are budded onto the one stem.

- ****Etoile de Hollande** (crimson) paired with ***Golden Rapture** (yellow). One plant.
- ***Golden Rapture** (yellow) and **J. Otto Thilow** (pink). One plant.

- ****Red Radiance** (red) joined to ***Radiance** (pink). One plant.

In pots only, ready after May 1, \$5 each



Tree Rose

Shrubby Roses

Will Bloom This Summer

Hugonis. From north China, and very hardy. This is a graceful shrub with red canes, fern-like foliage, and masses of single yellow flowers in May. Will grow up to 8 feet. Dormant plants only, \$1 each, \$10 per doz.

Lipstick. An everblooming Shrub Rose, producing during the whole season clusters of medium-sized, single flowers of clear cerise with salmon shadings. The yellow stamens are very attractive. Dormant plants only, \$1 each, \$10 per doz.

Skyrocket. Everblooming Shrub Rose. Enormous clusters of medium-sized brilliant red blooms all season. Dormant plants only, \$1 each, \$10 per doz.

The above three Roses are excellent shrubs for foundation planting, or for placing wherever you have room for a permanent bush.

To Help You Choose

Everyone enjoys the *scent of Roses*, and all our everblooming varieties are fragrant; sorts marked * have a pronounced perfume, and those marked ** even more so.

The number of petals indicates the *doubleness* of a Rose; one with 17 is a semi-double bloom; one with 100 petals is heavy and tight.



****PINK
DIAMOND.**
35 to 40 petals.
\$1.50 each,
\$16.25
per doz.

Plant
Pat.
516

Roses offered are
dormant and are
available from
March 1 to May 15

After May 1 they
are also available grow-
ing in pots and ready
to put out into your
garden. For these pot-
grown plants add 25 cts.
each, \$1.25 per
collection, \$2.75
per doz. to above
prices.



***APRICOT QUEEN.** Plant Pat. 464.
45 petals.
\$1.25 each, \$13.75 per doz.

WE GUARANTEE our Roses to reach you in good con-
dition and to live; we will replace without charge any that
may not be alive two months after you purchase them.

5

Beautiful

NOVELTY ROSES

Will Bloom First Summer



***CHARLOTTE ARMSTRONG**
Plant Pat. 455
35 petals.
\$1.25 each, \$13.75 per doz.

*Tested Varieties for Bloom
and Resistance to Disease*

**Strong, Super Field-Grown
Dormant Plants**

COLLECTION No. 106

FIVE NOVELTY ROSES. One **\$5.50**
each of 5 varieties, dormant plants



Plant
Pat.
105

****CRIMSON GLORY.**
25 to 30 petals.
\$1 each, \$11 per doz.

Sorts marked * have a pro-
nounced *perfume*, and those
marked ** even more so.

Plant Pat. 497

****MRS. OLIVER
AMES.**
60 petals.
\$1 each, \$11 per doz.



The number of petals indicates the doubleness of a Rose: one with 25 will show
some center when fully open; one with 60 petals is fairly tight when mature.

• WE GUARANTEE OUR ROSES •
to reach you in good condition and to live; we will replace without charge any that may not be alive two months after you purchase them.

SIXTEEN FINE EVERBLOOMING ROSES

At prices which justify extensive planting. Specially selected for quantity and quality of bloom and resistance to disease. All will bloom this summer.

ANY of the following 16 varieties, extra-strong dormant plants 90 cts. each, \$2.50 for 3, \$9.50 per doz., \$75.00 per 100

Special Collection B: All these sorts, 16 plants, one each of 16 varieties **\$12.50**



*Betty Uprichard. 17 petals.



*Etoile de Hollande. 35 petals.



*Pres. Herbert Hoover. 25 petals



*Grenoble. 45 petals.



*Hinrich Gaede. 50 petals.



*Joanna Hill. 40 petals.



*McGredy's Scarlet. 35 petals.



*Mme. Jules Bouche. 35 petals.



**Miss Rowena Thom. 30 petals.



*Mrs. E. P. Thom. 40 petals.



*Sequoia. 40 petals.



*Pink Dawn. 100 petals.



*Pommetia. 35 petals.



*Glowing Carmine. 50 petals.



*Mrs. P. S. du Pont. 40 petals.



*Talisman. 25 petals.

ROSES OFFERED are dormant and are available from March 1 to May 15. After May 1, they are also available growing in pots and ready to put out into your garden. For these pot-grown plants add 25 cts. each, 75 cts. for 3, \$2.75 per doz., \$3.50 per collection of 16, \$20 per 100, to the above prices.

TO HELP YOU CHOOSE. Everyone enjoys the scent of Roses, and all our everblooming varieties are fragrant; sorts marked * have a pronounced perfume, and those marked ** even more so.

The number of petals indicates the *doubleness* of a Rose: one with 17 is a semi-double bloom; one with 100 petals is heavy and tight.

HARDY PERENNIAL PLANTS

Our Perennial Plants are grown in our own nurseries at Farmingdale, Long Island, where the climate is conducive to rugged plants. Here we have humid summers and cold, wet winters with bitter winds.

These extremes of weather produce "tough" plants which will thrive anywhere. We do not offer as hardy, plants which are definitely not so. You may plant them with every confidence.



Aconitum Fischeri



Anthemis, Thora Perry



Anemone japonica

ACHILLEA. *Yarrow.* See pages 19 and 84.

ACONITUM. *Monksblood.* Very effective in shady places. Requires a woody soil.

Fischeri. Clear blue flowers. 3 to 4 ft. Sept.

Napellus. Rich dark blue. 4 ft. Aug.

Sparks' Variety. Deep violet-blue. Very stately, growing up to 5 feet.

Above 3 varieties, \$1.20 for 3, \$4.50 per doz.

ÆTHIONEMA, Warley Rose.* *Rock-Daphne.* Rich pink. Resembles a miniature Daphne; very choice. 4 to 6 in. May, June. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

AJUGA. *Bugle-Flower.* Splendid carpeting plants and ideal ground-covers for sun or partial shade.

Metallica. ★ Bronze foliage and blue flowers. 4 to 6 in. June.

Multicolor. ★ Leaves are multicolored varying from dark green to red, white, and yellow. 4 to 6 in., 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Reptans alba. ★ Pure white flowers. 4 to 6 in. June.

Reptans, Pink Spires. ★ Very effective because of its soft pink flowers on long spikes. Perfect compact habit. Fine for the edges of paths and walks. 6 to 9 in. June, July.

Above two Ajugas, \$3.25 per doz., \$25 per 100

ALOYSIA. See Herbs, pages 18 and 19.

ALYSSUM. *Basket of Gold.* These produce sheets of yellow flowers. Very suitable for rock-gardens, walls, and sunny borders.

Saxatile. ★ Golden yellow. 1 ft. May.

ANCHUSA. *Alkanet.* These rank among the best blue summer-flowering plants.

Italica, Dropmore. Very showy and effective in borders. Brilliant royal blue. 4 to 5 ft. July.

Myosotidiflora. ★ Produces sprays of turquoise-blue flowers resembling forget-me-nots. 1½ ft. May, June. \$1.20 for 3, \$4.50 per doz.

Anemone japonica • Windflower

There are no prettier flowers for the autumn than these. Thriving in borders, in sun or partial shade, they produce a charming picture from early September to late October with their beautiful chalice flowers ranging from pure white to rose and crimson. They revel in a woody soil, i.e., rotted leaves, peat, etc.

Geant des Blancches. Huge white flowers. 3 ft.

Huopenhens. Early flowering. Rosy mauve. 1½ ft.

Queen Charlotte. Beautiful, large silvery rose flowers. 3 ft.

Rosea superba. Large deep rose flowers. 3 ft.

September Charm. Rosy pink. Very floriferous and popular. 2 ft.

Rubra. Dark crimson. 2 ft.

ANEMONE pulsatilla. *Pasque Flower.* ★ Lovely mauve flowers in late April and May. The flowers are covered with silky hairs and have golden stamens. 9 in.

Pulsatilla rubra. ★ A ruby counterpart of the above.

All Anemones, \$1.20 for 3, \$4.50 per doz.

ANTHEMIS. *Chamomile.* A lovely summer-flowering plant with elegant, finely cut foliage. Fine for cutting.

Thora Perry. A novelty from England, with bright yellow flowers. 3 ft. July, Aug. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

See also Herbs on pages 18 and 19.

ARABIS. *Rock-Cress.* ★ These make a wonderful spring display and are good for rock-gardens and as edgings for paths and borders. They are especially effective when associated with subjects like aubrietia and alyssum.

Albida fl.-pl. Pure white, fully double flowers, sweetly scented and resembling stocks. 9 in. May.

Rosabella. Very compact, with delicate pink flowers. 6 in. May.

Snowcap. Compact habit, with single white blossoms. 6 to 9 in. April.

Aquilegia • Columbine

Beautiful old-fashioned border plants of indescribable grace. All are excellent for cutting.

Alpina. A short-spurred variety; deep blue flowers. 3 ft. May.

Clematiflora. Very distinct in that the flowers resemble a clematis. Pastel shades. 2 ft. June.

Long-spurred Varieties. All flower in June, and are from 2 to 3 feet in height.

Blue Shades **Rose and Pink Shades**
Scarlet Shades **Yellow Shades**
Copper Shades **Sawco Hybrids**

Longissima. Bright yellow, with spurs 3 to 4 inches long. 2½ ft. June. \$1.50 for 3, \$5.50 per doz.

Aquilegia, Super-Spurred Colossal

A strain of gigantic-sized blooms, measuring 5 to 6 inches across, with spurs 4 inches long, covering a range of over 50 colors. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

ARENARIA montana. *Sandwort.* ★ A fine rock-plant with very large snow-white flowers in early spring. Excellent for walls.

ARMERIA. *Thrift; Sea-Pink.*
Cæspitosa. Rare and beautiful. Neat tufts of stiff green foliage studded with pale pink flowers. 3 in. June.

Farmingdale Giants. A selected strain of giant-flowering Thrifts with stems 2 to 2½ feet high. Excellent for cutting. Many shades of pink, salmon, strawberry, etc. July, Aug.

ARTEMISIA, Silver King. *Ghost Plant.* A very decorative plant with white, finely cut leaves. Excellent in the perennial border to accentuate the beauty of flowering plants. 3 to 4 ft.

Other Artemisias

Are listed on pages 18 and 19.

PRICES, unless otherwise noted, \$1 for 3, \$3.75 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-Garden and edging the Perennial Border



Aster, Harrington's Perfected Pink

Aster • Michaelmas Daisy

Provide a wealth of bloom in September and October, and are as invaluable as chrysanthemums. Splendid for borders and also for naturalizing in woodland plantings. They thrive anywhere but have a preference for sandy loam and a dislike for overcrowding. The dwarf varieties provide much-needed fall color in the rock-garden.

Novae-angliae.

Harrington's Perfected Pink. The finest pink Aster yet introduced. A clear, soft pink. 4 to 5 ft. Sept., Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Mt. Rainier. Pure white. A rare and beautiful novelty. 4 to 5 ft. Sept., Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Mrs. J. F. Raynor. Strong grower with crimson flowers. 5 ft. Sept.

Mrs. S. T. Wright. A rich purple. 5 ft. Sept.

Red Cloud. Pure deep pink. A rare and very fine novelty. 4 to 5 ft. Sept., Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Novi-belgi. All varieties flower in September and October.

Blue Gem. Semi-double; perfect clear deep blue. 4 ft.

Little Boy Blue. Bright blue semi-double flowers. 1½ ft.

Little Pink Lady. Large, semi-double, rich pink flowers. 1½ ft.

Mount Everest. Large, pure white flowers in great profusion. 4 ft.

Palmyra. Fine double pink.

Queen Mary. Very large, soft lilac-blue flowers with golden centers. 4 to 5 ft.

Strawberries and Cream. The flowers open deep pink, changing to a softer pink, the whole plant having a color combination distinctly its own. 4 ft.

VIOLETTA. Novelty. (Illustrated on page 81.) Best dark blue yet introduced. Masses of beautiful flowers in September and October; highly recommended. 3 to 4 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

ASTER, Dwarf Hybrids.

Countess of Dudley. ★ Clear pink.

Lilac Time. ★ Bright mauve.

Snowsprite. ★ Pure white.

Victor. ★ Pale blue.

ASTER, Various Species.

Alpinus, Goliath. ★ Large blue flowers with orange centers. 1 ft. June.

Amellus, King George. Large rich violet flowers. 2 ft. July.

Frikarti. Very free flowering, producing charming blue flowers of large size. One of the finest perennials of today. 2 ft. Aug.-Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Hybridus luteus. Myriads of small starry yellow flowers on graceful stems. Compact. 2 ft. July-Sept.

ASTILBE. Spiraea. These fine summer-flowering plants, with their graceful ferny leaves and spikes of soft plummy flowers, revel in rich, damp soil.

Amethyst. Deep violet-purple. 2 ft. June.

Bergistol. Fine white-flowered variety. 3 ft. June.

Fanal. (Illustrated on page 82.) Vivid vermilion. Fine foliage. The best yet introduced. June-July. 2 ft. \$1 each, \$11 per doz.

Gladstone. Fine white. 1½ ft. June.

Gloria superba. Dwarf. Deep pink. 2 ft. June.

Rhineland. Delicate pink. 2 ft. June.

Salland. Tall red blooms. 4 ft.

Above Astilbes, except where otherwise noted, \$1.50 for 3, \$5.50 per doz.

AUBRIETIA. See page 84.

AURICULA. See *Primula Auricula*.

BALM. See *Herbs*, pages 18 and 19.

BAPTISIA. See page 84.

BEE BALM. See *Herbs*, pages 18 and 19.

BETONY. See *Herbs*, pages 18 and 19.

BOLTONIA. Bolton's Starwort. These have the appearance of Michaelmas daisies, but flower in August. Excellent for planting in wild gardens or for that bit of ground where "Nothing will grow."

Asteroides. Single; white. 5 ft.

Latisquama. Lilac-pink. 5 ft.

BRUCKENTHALIA. See page 84.

BUDDLEIA. Butterfly Bush. See page 88.

BURNET. See *Herbs*, pages 18 and 19.



Campanula persicifolia fl.-pl.

CALLUNA. Heather. ★ These hardy, dwarf, evergreen flowering shrubs are natives of the moors of Scotland. They need a peaty soil and are well adapted for rock-gardens and for planting banks.

Vulgaris alba. White flowers in August. 6 to 8-in. plants, 55 cts. each, \$1.50 for 3, \$5.50 per doz. 12 to 15-in. plants 75 cts. each, \$8.25 per doz.

Vulgaris aurea. Rose-pink flowers in August. Handsome golden foliage. 6 to 9-in. plants, 75 cts. each, \$8.25 per doz.

Vulgaris rosea. Dark green foliage. Pink flowers in August and September. 9 to 12-in. plants, 75 cts. each, \$8.25 per doz.

Campanula • Bellflower

These beautiful spring and summer flowering plants are most suited for the rockery and border. They are of easy culture.

Carpatica. ★ A compact-growing plant 6 inches high. Large clear blue flowers. July.

Carpatica alba. ★ White twin of the above.

Celtidifolia, E. Molyneux. Large panicles of pale blue flowers in great profusion in July and if cut back will flower again in the fall. 2½ ft.

Garganica. ★ Trailing habit. Covered with deep blue, starry flowers in July.

Olympica. Very graceful, like an enlarged Harebell. 30 in. June, July.

Persicifolia alba. Snow-white bells 1½ inches in diameter produced on long, wiry stems. June.

Persicifolia fl.-pl. A good border plant with pale blue, double flowers. Fine for cutting. July. \$1.20 for 3, \$4.50 per doz.

Persicifolia, Telham Beauty. Long, wiry 3-foot stems with large, single, silvery lavender-blue bells. July. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

CANTERBURY BELLS. These grand old-fashioned border plants provide a wealth of blooms in June and July.

We offer them with single flowers and in three colors:

Blue Pink White Mixed

Carnations

These hardy plants prefer a well-drained soil and a sunny location. The flowers, which are produced from June until autumn, are large and of the most beautiful colors.

Perpetual Large-flowering. Raised from the best English seed. Very vigorous. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

CARYOPTERIS. See page 84.

CATNIP. See *Herbs*, pages 18 and 19.

CENTAUREA. See page 84.

CERASTIUM. See page 84.

CHAMOMILE. See *Herbs*, pages 18 and 19.

CHELONE. See page 84.

CHIVES. See *Herbs*, pages 18 and 19.

CHRYSOGONUM virginianum. Golden Kne. ★ A wonderful ground-cover for sun or partial shade. The plant grows 4 to 6 inches high and requires a rich humusy soil. Its bright starry golden yellow flowers, which are produced from May to August, and handsome dark green foliage make a striking color combination.

PRICES, unless otherwise noted, \$1 for 3, \$3.75 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border

CHRYSANTHEMUMS

The beautiful autumn-flowering types ring down the curtain on the garden show, with lavish displays of bloom during September and October. All the following have good foliage, and, unless stated otherwise, they average 2½ to 3 feet in height.

Single Varieties

- Acacia.** Graceful sprays of brilliant yellow.
Autumn Lights. Brilliant coppery brown.
Hebe. Soft luminous pink flowers with a delicate silvery halo. Beautiful.
Peachblow. Unusually large peach-colored flowers.
Silver Moon. Double rows of silvery white ray florets. A distinct novelty somewhat resembling a Shasta Daisy.

Double Korean Chrysanthemums

These are the best of the many varieties available. All are strong growers and, like the singles, provide a wealth of color.

- Burgundy.** Stiff, strong stems. Rich, glowing, wine-color. Large flowers.
Eugene Wander. A large-flowered golden yellow, commencing to bloom early in the autumn.
Lavender Lady. One of the largest doubles; flowers are 4 inches in diameter, of an exquisite lavender-orchid.
Mandarin. A beautiful blending of coral, salmon and copper. Large.
Milky Way. Semi-double variety; creamy white flowers with yellow centers.
Mrs. P. S. du Pont. Soft peach-pink with salmon-fawn overtones.

A Low-growing Chrysanthemum

- Tasiva.** A dwarf mound-like plant with many large pure white flowers. 1½ ft. Oct.

Cushion Chrysanthemums

Perfect moundlike habit. Hundreds of flowers on every plant. Available in the following colors:

Bronze Red Yellow White Pink

Pompon Chrysanthemums

- Goblin.** A warm brown variety. Interesting unique sort that is highly recommended.
Irene. Often has 300 white buttons on a plant; long stiff stems. Very choice. 2½ ft. Oct.
Judith Anderson. Brilliant yellow buttons, shading to orange. 2 to 2½ ft. Oct.
Lilian Doty. Large incurved pink Pompons. 3 ft. Oct.
Red Doty. Red counterpart of Lilian Doty.
September Cloud. White Pompon with primrose shadings.
September Bronze. Beautiful bronze Pompon.
September Gold. Brilliant golden flowers on compact plants.
Sonny Boy. A bright golden yellow. 1½ ft. Sept. The earliest Pompon.
Yellow Doty. Rich golden yellow counterpart of Lilian Doty.

The Sweet Fragrance of Old-World Gardens is found in *Perfumes by Atkinson of London*. See page 84.

CHRYSANTHEMUM maximum. *Shasta Daisy.* All are of very easy culture and most suitable for cutting.

Alaska. Large white flowers 3 inches across. 2 ft. June.

Beauty of Nivelloise. Enormous white flowers with frilled petals from June till August. 2 ft.

Earliest of All. Large, pure white flowers in early June. 2 ft.

Ether Reed. A large double pure white Shasta Daisy with flowers on sturdy stems. Perfect for cutting. Blooms all summer. 1½ ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

CHRYSANTHEMUM Leucanthemum, White Swan. A double white Ox-eye Daisy flowering in June and July. 2½ ft. \$1.20 for 3, \$4.50 per doz.

CHRYSANTHEMUM nipponicum. A very hardy shrubby specimen with large leathery leaves and 2-inch, pure white flowers in late August. 2½ ft.

CORONILLA cappadocica. A trailing plant with a profusion of golden peashaped flowers. July, Aug.

COREOPSIS. *Tickseed.* Old-fashioned border plants of very easy culture. Great profusion of flowers in July and Aug.

Mayfield Giant. An improvement on the old *C. grandiflora*, with larger yellow flowers and longer stems. 3 ft.

Perry's Variety. Beautiful semi-double flowers of rich golden yellow. 2½ ft.

Verticillata. ★ Dwarf, compact plant 9 to 12 inches tall. Myriads of starry orange flowers from June until September.

COSTMARY. See Herbs, pages 18 and 19.

CYNOGLOSSUM nervosum. A very choice plant of easy culture, with brilliant gentian-blue flowers in July. 1½ ft.

Daphne Cneorum • Garland Flower

★ A dwarf evergreen shrub with clusters of bright pink, intensely fragrant flowers in May, and again in September. It prefers a sandy, peaty soil. 8 to 10-in. plants, 90 cts. each, \$10 per doz.; 12 to 15-in. plants, \$1.50 each, \$16.50 per doz.



Daphne Cneorum (Garland Flower)

Sawco Long-Island-grown Delphiniums • Perennial Larkspurs

Aptly named the king of border plants, and despite the general opinion that it is of difficult culture, quite the opposite has been our experience. First, provide a well-drained soil; second give bonemeal, and careful additional feedings of our General Garden Fertilizer. Spray with Bordeaux. Should mildew appear, dust with sulphur.

Super-Gold Medal Hybrids. A splendid color-range from light blue to deep purple. Yearling plants, \$1 for 3, \$3.75 per doz.; 1-yr. plants, \$1 each, \$11 per doz.; 2-yr. plants, \$1.50 each, \$16.50 per doz.

Belladonna. Clear, turquoise-blue with a glistening sheen. \$1 for 3, \$3.75 per doz.; 2-yr.-old plants, \$1 each, \$11 per doz.

Belladonna, Cliveden Beauty. Bright sky-blue flowers on very large spikes. 4 ft. July. \$1.20 for 3, \$4.50 per doz.

Bellamona. A dark blue form of Belladonna.

The two go very well together.

Chinensis. Deep blue flowers and finely cut foliage. 2 ft. July.

Chinensis alba. A white form of the above.

PACIFIC HYBRIDS. These plants with their very fine foliage and long, well-balanced spikes of flowers, are extremely vigorous and very resistant to disease.

Blue Jay. Blue with gray overtones.

King Arthur Series. Royal violet.

Guinevere Series. Light lavender-pink.

Summer Skies Series. Clear light blue.

White Series. Clear glistening white.

Round Table. Mixture of all colors.

The Pacific Hybrids are 55 cts. each, \$1.50 for 3, \$5.50 per doz.

DIANTHUS. *Garden Pinks.* Plants of compact habit with fragrant flowers.

Beatrix. ★ Light salmon-pink, exquisitely scented flowers from May to Nov. 9 in.

Bobby. ★ A little gem with deep pink flowers, each with a crimson ring in the center.

Her Majesty. ★ Large pure white, intensely fragrant flowers. 1 ft. June.

Little Joe. ★ This lovely novelty flowers all summer and fall. It has beautiful gray-green foliage, almost blue in effect, with large single rich crimson flowers. A gem in every way. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

New Blue. ★ The foliage of this splendid novelty is dark green. Its flowers, which resemble a sweet william, are profusely borne on 9-inch trusses and are of the most exquisite lavender-blue color. July -Sept. See illustration on page 81. \$1.20 for 3, \$4.50 per doz.

Scotch or Florists' Pinks. ★ A wide range of colors in single and double. 1 ft. June.

Silvermine. ★ Novelty. Exactly like Beatrix except that the flowers are pure white.

Barbatus. See Sweet William.

DICENTRA. *Bleeding-Heart.*

Eximia. *Fringed Bleeding-Heart.* ★ A dwarf-growing plant with finely cut fern-like leaves and racemes of rose-pink flowers. Requires a woody soil. 1 ft. Apr. \$1.20 for 3, \$4.50 per doz.

Spectabilis. The very graceful, old-fashioned Bleeding-Heart which produces beautiful, bright rose, heart-shaped flowers on slender stems. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

PRICES, unless otherwise noted, \$1 for 3, \$3.75 per doz. Purchaser pays transportation beyond 50 miles of New York

★Dwarf plants for the Rock-garden and edging the Perennial Border

EQUIP YOUR GARDEN with Japanese Beetle Traps.

Each will capture more than a quart a day during the season of infestation. Price, with bait, \$2.25

DIGITALIS. *Foxglove.* Valuable plants for borders, woods, and wild gardens, with lush foliage and long spikes of beautiful tubular flowers. Useful subjects for the shaded portions of your herbaceous border.

Giant Shirley. In separate colors: pink white, purple, yellow and mixed. 5 to 6 ft. June.

DORONICUM. *Leopard's Bane.* Exceptionally handsome early-flowering perennials of very easy culture in ordinary garden soil, in sun or semi-shade. Excellent for cutting.

Clusi. ★ Bright yellow flowers on 9-inch stems. May.

Excelsum. Yellow flowers 2 to 3 inches in diameter on 2½-foot stems. May.

Pardalanches. *Golden-lunch Doronicum.* Bright yellow. 2½ ft. June.

ECHINOPS Ritro. *Globe Thistle.* A striking plant with handsome, silvery, thistle-like foliage and metallic-blue flowers. 3 to 4 ft. July.

Taplow Blue. Many heads of brilliant blue flowers. Good for cutting. 3 to 4 ft. July. 55 cts. each, \$5.50 per doz.

EPIIMEDIUM. See page 84.

ERICA. *Heath.* ★ See also Calluna. Dwarf evergreen shrubs suitable for the rock-garden, border, or shrubbery.

Carnea. A plant of very compact habit. The buds form in the late fall and flowers are produced intermittently throughout the winter until finally, in March and April, the plant is smothered with its charming bright rose flowers. 9 in.

Carnea alba. A beautiful white-flowered form of the above.

Carnea, King George. A new hybrid with vivid dark red flowers.

Mediterranea. This beautiful pink-flowered Heath grows about 2½ feet high. July, Aug.

Above Ericas, \$1.20 for 3, \$4.50 per doz.

ERODIUM. See page 84.

EUPATORIUM. *Hardy Ageratum.* Robust plants especially suitable for herbaceous borders and wild and woodland gardens.

Ageratoides. Pure white flowers and dark green leaves. 2 ft. Aug.

Cœlestinum. This pretty plant, with its light mauve-blue flowers, is excellent when associated with other fall-flowering plants. 2 to 3 ft. Aug.

FUCHSIA, Scarlet Beauty

It is of upright habit and blooms freely during the entire summer. While it will stand the full sunlight, it delights in semi-shade. The lout sepals are deep purple, the corolla bright ruby-red. Requires some protection north of Philadelphia. 3-in. pot-plants, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

FUNKIA. *Plantain Lily.* Hardy subject that is especially suitable as a foliage plant in dark and shady places.

Fortunei robusta. Glaucous green foliage. Lilac-blue flowers. 2 ft. July.

Lancifolia albo-marginata. Striking green and white variegated foliage. Blue flowers. 2 ft. July.

Subcordata grandiflora. Large leaves of refreshing green and tremendous spikes of pure white flowers. 1½ to 2 ft. July.

PRICES, unless otherwise noted, \$1 for 3, \$3.75 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border



Gaillardia, The Imp

Gaillardia • Blanket Flower

Produce a continual display of richly colored flowers from June until October and are unsurpassed for their brilliance.

Goblin. A dwarf variety. Bright yellow flowers with a deep red zone. 12 to 15 in.

Mr. Sherbrook. A grand variety with large round flowers of pure yellow, on long stems. 2 ft. \$1.20 for 3, \$4.50 per doz.

Portola. Coppery scarlet flowers margined with gold. 2½ ft.

Ruby. A ruby-red companion of Mr. Sherbrook; effective when planted together. 2 ft. \$1.20 for 3, \$4.50 per doz.

S. & W. Giant Hybrids. A grand strain from all the best hybrids. 2½ ft.

The Imp. ★ *Novelty.* Large, bronze-crimson flowers on 4-in. stems. A compact mound 18 to 24 inches across. \$1.20 for 3, \$4.50 per doz.

GENTIANA aculis Clusi. *Gentian.* ★ Vigorous grower, of simple culture. The flowers, which are 2 to 3 inches long and 1 inch in diameter, make their first appearance through the snow in March, continuing throughout April, and again in the late fall. Plant in partial shade. \$1.20 for 3, \$4.50 per doz.

GERANIUM pectinatum. *Crane's-Bill.* ★ A very pretty plant of compact habit with most attractive small Geranium-like leaves and rosy pink flowers. 1½ ft. \$1.20 for 3, \$4.50 per doz.

Patulum. Large, brilliant blue flowers. 18 in. June, July. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

The Delightful Fragrance of an Old-World Garden

Capture it by planting Scented Geraniums, \$4.50 per doz.

Perpetuate it with Atkinson's *Lavender Water*, \$1.50 per 2-oz. bottle.

or with Atkinson's *Lily-of-the-Valley*, \$2.75 per ¼-oz. bottle.

Add 10¢ Federal Tax for Perfumes
English Creations of Atkinson's of Bond Street
on page 84

GERBERA. *Transvaal Daisy.* These beautiful daisy-like flowers 4 to 5 inches in diameter, embrace shades of red, orange, rose, to white and yellow.

Jamesoni Hybrids, Single. A splendid mixture of all shades. July-Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Jamesoni Hybrids, Double. Perfectly double flowers of the most beautiful pastel shades. 75 cts. each, \$8.25 per doz.

Geum • Avena

Beautiful, hardy, low, compact plants from which arise the graceful stems bearing their bright-colored blossoms.

Dolly North. Semi-double flowers of rich apricot. 2 ft. June-Sept.

Fire Opal. Semi-double, orange-scarlet flowers. Very striking. 2 to 2½ ft. June-Sept.

Princess Juliana. Very large, semi-double flowers of pure orange. June-Sept.

Wilton Ruby. ★ *Novelty.* Semi-double, brilliant ruby flowers with orange overtones. 1½ ft. July-Sept.

All above Geums, \$1.20 for 3, \$4.50 per doz.

Gypsophila • Baby's Breath

They are essentially for summer bouquets, and in the border their light, airy appearance will greatly enhance all other perennials.

Acutifolia. Lilac-rose flowers in light, graceful panicles. 3 ft. July.

Bristol Fairy. Very graceful, and one of the most popular varieties for cutting, having huge panicles of pure white double flowers. 4 ft. July, Aug. 1-yr. pot-plants, \$1.20 for 3, \$4.50 per doz.; 2-yr. field-grown, 60 cts. each, \$6.50 per doz.

Pacific. Rose-colored sort, flowering later than *Paniculata*. 2½ to 3 ft. Aug.

Paniculata. Masses of small, pure white, single flowers. 2½ to 3 ft. July.

Repens Bodgeri. ★ A dwarf variety, excellent for edgings and the rock-garden. Very light pink, double flowers. 1 ft.

HEREDERA Helix. ★ *English Ivy.* Fine for under trees, on banks or against walls. Good trailing or climbing plant. 2½-in. pots, \$1.50 per doz., \$10 per 100.

HELENIUM. *Sneezewort.* Fall-flowering perennial of easy culture. The flowers have warm autumn tints; excellent for cutting.

Brown gold. Flowers are a combination of coppery orange and old-gold, in a shot-silk effect. 4 to 5 ft. July-Sept. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Riverton Beauty. Lemon-yellow. 4 to 5 ft. Aug., Sept.

Riverton Gem. Crimson-brown, shot with gold. 4 to 5 ft. Aug., Sept.

HELIANthemum. *Sun Rose.* ★ Dwarf, evergreen, shrubby plants with myriads of brilliantly colored flowers in June and July. 6 to 10 in. We offer in Yellow, Orange, Scarlet, Pink, White, or Mixed.

HELIANthus. *Perennial Sunflower.* Tall, choice border plants, fine for naturalizing and for providing an abundance of cut-flowers in late summer.

Monarch. Large, deep yellow-orange, single flowers. 5 ft. Aug., Sept.

Soleil d'Or. Double, 3-inch dahlia-like flowers of rich yellow. Excellent for cutting. 4 to 5 ft. July until late Sept. \$1.20 for 3, \$4.50 per doz.

HELIOPSIS. *North American Ox-Eye.* Choice perennial, easily grown; its only requirement being plenty of sunshine.
Incomparabilis. A grand plant that blooms in June and July; if cut back in July it will start again in September and bloom until frost. The individual flowers are 3 inches across and of the richest golden yellow. 2½ to 3 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.
Patula. *European Novelty.* Rich cadmium-yellow; 3 rows of erect petals. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Helleborus

(*Hellebore; Christmas Rose; Lenten Rose*)

The Hellebores need a deep rich soil and semi-shade. They look well planted at the base of a broad-leaved evergreen, or in a sheltered nook in the rock-garden. They should not be disturbed; after a year or so, they will throw their beautiful flowers in ever-increasing profusion.

Caucasicus. ★ A strong-growing plant with greenish white flowers, from March to April. 1½ ft. 75 cts. each, \$8.25 per doz.
Niger. *Christmas Rose.* ★ Big, dark green, leathery leaves, and very large white flowers in December. 1 ft. \$1.50 each, \$16.50 per doz.

Orientalis. *Lenten Rose.* ★ These beautiful flowers range in color from white to pink, rose, and deep plum, and bloom from late February until April. Mixed colors only. 1 ft. \$1 each, \$11 per doz.

COLLECTION: One each above 3, \$3

Hemerocallis • Day-Lily

Graceful grass-like foliage sets off the fragrant lily-like flowers. We offer varieties which carry the blooming season from May until July. After each variety is the date on which the first blooms appear at our perennial farm. Flowering period is from 4 to 6 weeks.

Bay State. Large; orange. 3 ft. June 25. 55 cts. each, \$1.50 for 3, \$5.50 per doz.
D. D. Wyman. Large; golden yellow with brown bars. 3 ft. June 17. 55 cts. each; \$1.50 for 3, \$5.50 per doz.

Dover. Large; gold. May 25. 2½ ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Dr. Regel. Rich orange-yellow; fragrant. 2 ft. May 20.

George Yeld. Large; golden yellow with brown suffusion. 2½ ft. July 1. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Gold Dust. Orange. 2½ ft. May 25.

Golden. Golden yellow. 3 ft. June 8.

Gypsy. Very deep orange. 4 ft. June 17. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Hyperion. Citron-yellow. Considered the finest. 3½ ft. 75 cts. each, \$2.15 for 3, \$8 per doz.

J. A. Crawford. Fine apricot-yellow. 4 ft. June 17. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Lemona. Beautiful large pale yellow flowers. 3½ ft. June 17. 75 cts. each, \$2.15 for 3, \$8 per doz.

Mikado. New. Rich orange, purple shading. 75 cts. each, \$2.15 for 3, \$8 per doz.

Ophir. Tall; lemon-yellow. 4 ft. June 25. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

The Gem. Pale gold. 3 ft. June 15. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Collections

1 plant each of the above 6 varieties marked ●,

3 plants each of the above marked ●, \$8.



Heliothis incomparabilis

HEUCHERA. *Alum-Root; Coral Bells.* ★ Splendid plants of compact habit. Graceful spikes of flowers.

Bloom's Variety. Large, rich red flowers on 18-inch stems. Pretty mottled foliage.

Oakington Jewel. Vigorous spikes of many small coral-pink bells. Beautiful dark mottled foliage.

Snowflake. Sturdy 18-inch spikes of large pure white flowers.

Above Heucheras, \$1.20 for 3, \$4.50 per doz.

Hollyhocks

(*Althea rosea*.) These old favorites, gay with color during July and August, are striking as a background for other flowers in the perennial bed and in the shrubbery.

Haile Selassie. *The Black Hollyhock.* The plants grow 6 to 8 feet high, with large, perfectly set flowers of a dark chocolate color which is further enhanced by beautiful pale yellow stamens. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

SUPERB DOUBLE HOLLYHOCKS.

Newport Pink	White
Double, Mixed	Yellow
	Scarlet

SUPERB SINGLE HOLLYHOCKS.

Pink	Scarlet	White
Yellow	Single, Mixed	

Above Double and Single Hollyhocks, \$1 for 3, \$3.75 per doz.

HIBISCUS. *Mallow.* Strong-growing perennials with beautiful flowers 4 to 5 inches in diameter in August. 5 to 6 ft.
Mallow Marvels. Red, White, and Pink.
White-with-Crimson-Eye, Pink, and Red. 1-yr. plants, \$1 for 3, \$3.75 per doz.; extra-heavy 2-yr. plants, \$1.20 for 3, \$4.50 per doz.

HOREHOP. See Herbs, pages 18 and 19.

HYSSOP. See Herbs, pages 18 and 19.

INCARVILLEA. See page 84.

HERBS. Mint, Sage, Thyme and many other culinary and fragrant herbs are described and offered on pages 18 and 19. Interesting plants, also, that held high place in medieval medicine.

Iris vulgaris

Bearded Iris; Flag; Fleur de Lys

June-blooming

These beautiful flowering plants are one of the mainstays of the garden. They are all of easy culture, simply requiring a well-drained soil and plenty of sun. Care should be taken not to plant too deeply. June-blooming.

Alta California. Beautiful yellow. 4 ft.

Ambassadeur. Standards rosy lilac; falls rich purple.

Athene. Tall bearded white.

Dauntless. Velvety near-red. 40 in.

Dazzler. Deep rose; very fragrant.

Euphony. Yellow; falls flushed blue. 3 ft.

Evolution. Tall bearded, self yellow.

Freida Mohr. A giant pink variety.

Goblin Red. Ox-blood-red. Quite distinct.

Gold Imperial. Deep chrome-yellow.

Grisette. Pleasing blend of violet, old-gold and light brown.

Grace Sturtevant. Rich mixture of dark red, brown, and violet-carmine, with a velvety finish on the falls. A striking feature of this flower is the prominent bright golden beard.

Henri Riviere. An excellent flower in delicate shades of soft yellow and pale lilac-mauve. The lilac shading is very delicate, so that the general effect is yellow. 3½ ft.

Indian Chief. Classed as one of the superior reds; it carries a bronzy overcast. Very large flower, quite tall, and well branched.

Midgard. Fine yellow variety with a suffusion of pink.

Milky Way. Milk-white, veined light lavender. Beautiful indeed.

Mrs. Valerie West. Brown-red and crimson; large, fragrant flower. 3 ft.

Pioneer. Rich red-purple.

Queen Catherine. Very large pale blue flowers. Sweetly scented.

Rameses. Combination of rose, pink, and buff. 3 ft.

Seminole. Velvety red-purple with a bright orange beard.

Wedgwood. One-color flower—delicate pottery blue.

Spring and Fall-blooming Irises

This splendid group has evoked great interest in the garden world because after flowering profusely in the spring they blossom again in the fall, after they have become well established.

Autumn King. Blue-purple of good substance. 3 ft.

Autumn Queen. A very pretty white, dwarfer than the King.

Dorcas Hutchinson. Very fragrant; deep violet self. Of great merit. 1½ ft.

Eleanor Roosevelt. Royal purple. 26 in.

Equinox. Reddish purple with darker falls. 26 in.

Peggy Babington. Rich clear canary-yellow. 28 in.

September Skies. Purple-red, excellent companion to Golden Harvest. 16 in.

All above Irises, \$1 for 3, \$3.75 per doz.

COLLECTION No. 108

1 each of the above 7 varieties, \$2.
3 each of the above 7 varieties, \$5.50.

PRICES, unless otherwise noted, \$1 for 3, \$3.75 per doz. Purchaser pays transportation beyond 50 miles of New York

★Dwarf plants for the Rock-garden and edging the Perennial Border



Crested Iris

Bearded Iris

Oriental Iris

Siberian Iris

Miniature Iris

Iris kaempferi • Oriental Iris

These flower after the Bearded Irises have gone, and will do well in almost any location, but especially well where it is moist.

IMPROVED VARIETIES.

- Betty Holmes.** Tremendous, pure white flowers. Perfect in its purity.
- Elbrus.** Double, clear lavender flower of immense size and splendid substance.
- Light-in-the-Opal.** Double; orchid-pink with glistening sheen.
- Mahogany Giant.** Deeper shade of velvety maroon than Mahogany, and larger.
- Violet Giant.** Rich violet; semi-double; frequently 27 inches in circumference.
- White Giant.** White with yellow markings.

Above Improved Irises, \$1 each, \$11 per doz.

STANDARD VARIETIES.

- Ruby King.** Double; ruby-crimson.
- Blue Queen.** Deep blue, veined yellow.
- La Favorite.** Double; white, veined blue.
- Mrs. George Stump.** Single; white.
- Painted Lady.** Single; purple, white center. Not difficult to grow.
- Pyramid.** Tall. Dark violet-purple, yellow blotch.
- Templeton.** Double; light violet, mottled reddish pink and white.
- Violet Beauty.** Deep violet; single.

All Standard Irises, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Iris sibirica • Siberian Iris

They make large clumps of decorative grassy green foliage and produce an abundance of flowers excellent for cutting. $3\frac{1}{2}$ to 4 ft. June.

- Emperor.** A dark violet-blue.
- Perry's Blue.** Clear sky-blue.
- Snow Queen.** Pure white.

Miniature Irises

★ An early dwarf type, blooming along with the daffodil. Beautiful and delicate in appearance, yet especially hardy. Recommended for the rock-garden, for edging the border or alongside the garden path.

- Faunterley.** ★ Standards white edged soft yellow; falls purple edged yellow. 6 in.
- Mogador.** ★ Milk-white standards; falls soft yellow. 12 in.
- Rose Mist.** ★ Soft rose-lilac. 10 in.
- Sound Money.** ★ Rich golden yellow. Blooms spring and fall. 8 in.
- Tampa.** ★ Brilliant mulberry-red. 1 ft.
- Tony.** ★ Brilliant dark ruby-red. 1 ft.

PRICES, unless otherwise noted, \$1 for 3, \$3.75 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarfed plants for the Rock-garden and edging the Perennial Border

IRIS PUMILA. ★ Dwarf Iris. Lovely little Iris only 8 inches high. Blooms in April and May. Useful for the rock-garden; can also be used for edging.

Excelsa. ★ Pale lemon-yellow.

Sambo. ★ Dark violet-blue.

Schneekuppe. ★ A large showy white.

IRIS CRISTATA. Crested Iris. ★ Large crested flowers of soft amethyst-blue with a touch of gold. May. 4 to 6 in.

IBERIS. Perennial Candytuft. ★ Beautiful dwarf evergreen plants thriving in sun or partial shade. Useful for the rock-garden and for edging.

Gibraltarica. Beautiful pale lilac flowers in great profusion. May. 9 in.

Sempervirens, Little Gem. Compact little bright green plant, become a mass of white flowers in June. 6 to 8 in.

Sempervirens, Snowflake. A strong variety with green leaves and heads of perfect snow-white flowers in May. 1 to $1\frac{1}{2}$ ft.

LAVANDULA. Lavender. Old-fashioned, fragrant plants with beautiful gray foliage and wiry spikes of lavender-blue flowers. The whole plant is aromatic and the flowers are much used in the making of sachets.

Daphnensis. A very hardy dwarf Lavender, growing dense and compact. Gray foliage.

Dentata. Fine green foliage with serrated edges. The plant has a nice compact habit; is in flower all summer and fall.

Twinkle Purple. A new variety with deep purple-blue flowers. 2 ft.

Munstead Strain. A taller-growing variety with gray-green foliage. 2 to $2\frac{1}{2}$ ft. June.

See also Herbs, pages 18 and 19.

LINUM. Flax.

Flavum. A dwarf shrubby plant with bright golden yellow flowers from June to August. 1 ft.

Perenne. Old-fashioned border plant, absolutely indispensable. The foliage is light and graceful, and its bright blue flowers rest on the plant like blue butterflies. Myriads of blooms are produced incessantly from June until the autumn.

LOBELIA cardinalis. Cardinal Flower; Indian Paint-Brush. A lovely plant, ideal for semi-shady locations or near the water's edge and a gem for naturalizing. Brilliant scarlet flowers. 3 to 4 ft.

LIATRIS. Blazing Star; Gayfeather. These showy North American natives all have grassy leaves and extremely bold spikes of flowers.

Pycnostachya. A most attractive perennial with long spikes of rich purple flowers. 4 ft. Sept.

Scariosa alba. A splendid new variety with very heavy spikes of snow-white flowers produced in September. A grand border plant for this time of year. 5 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Scariosa, September Glory. A new introduction and a veritable giant, growing up to 7 feet high. The gigantic flower-spikes are a rich purple from top to bottom, and in late September make a marvelous display. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

LOVAGE. See Herbs, pages 18 and 19.

Lupinus polyphyllus • Lupine

Extremely handsome perennial with beautiful palmate foliage and long spikes of brilliantly colored pea-shaped flowers in June and July.

- | | |
|--------------------|---------------------|
| Blue Shades | Red Shades |
| Rose Shades | Mixed Shades |
| Pure White | |

Russell Lupins. The much-publicized hybrid Lupins from England. These wonderful plants bear tremendous spikes in colors and combinations never seen before, the fruit of years of careful work. 3 to 5 ft. June, July. We offer strong, 3-inch pot-plants, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

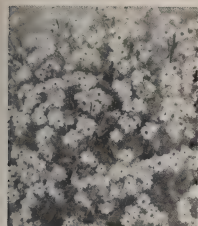
LYCHNIS. Rose Campion; Catchfly. A handsome plant of easy culture in any garden soil. They like a sunny situation and are excellent for beds or perennial borders.

Chalcedonica. A striking plant. Heads of vivid scarlet flowers in June and July. 3 to 4 ft.

Viscaria splendens fl.-pl. ★ A wonderful plant making a tuft of grassy foliage from which arise stiff stems, smothered with large, double, and extremely beautiful rose-pink flowers in great profusion. 15 in. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

LYTHRUM, Red Beacon. A great improvement on the old-time Purple Loosestrife. Tall cerise-pink spikes. 3 ft. Aug.-Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

MARJORAM. See Herbs, pages 18 and 19.



Myosotis



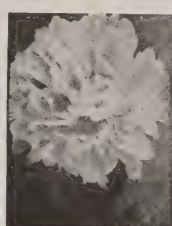
Pachysandra



Pentstemon



Nepeta



Peony

MATRICARIA inodora plenissima. *Chamomile; Feverfew.* A double white variety with attractive ferny foliage and an abundance of flowers. June, July. 2 ft.

MAZUS reptans. ★ A beautiful plant of carpeting habit, fine for the rock-garden, especially in the crevices of walks and steps. It grows $\frac{1}{2}$ inch high, and in spring is smothered with lilac flowers.

MINT. See *Herbs*, pages 18 and 19.

MONARDA. *Bee Balm; Oswego Tea; Bergamot.* Old-fashioned plants of easy culture anywhere. Highly aromatic leaves and pretty spikes of flowers.

Dahliatown Orchid. A novelty of great merit. Charming orchid-pink flowers. $2\frac{1}{2}$ to 3 ft. July. \$1.20 for 3, \$4.50 per doz.

Didyma rubra. Bright red flowers in July. $2\frac{1}{2}$ ft.

Didyma, Salmon. A salmon-flowered variety of the above. $2\frac{1}{2}$ ft. July.

See also *Herbs*, pages 18 and 19.

Myosotis • Forget-me-not

Palustris semperflorens. ★ It is of creeping habit and flowers from June until September. The florets are of a beautiful clear pale blue with small yellow eyes. 6 in.

NEPETA. *Ground Ivy.* Old-fashioned plants of easy culture in the poorest of soils. They should be cut back after flowering, which will produce a very compact plant.

Mussini. ★ Masses of large blue flowers in June. 9 in.

Six Hills Giant. ★ A new hybrid with larger flowers and foliage. 1 ft.

NEPETA Cataria. *Catnip.* See *Herbs*, pages 18 and 19.

NIEREMBERGIA. See page 84.

ENOTHERA. *Evening Primrose.* ★ Striking plants for sunny location.

Glaucia Fraseri. Golden yellow cups in July and August. 1 to $1\frac{1}{2}$ ft.

Illumination. *Novelty.* Long salmon-pink buds and golden yellow $1\frac{1}{2}$ -inch flowers. Perfect pyramidal shape. Hundreds of flowers from June to fall. $1\frac{1}{2}$ to 2 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

PACHYSANDRA terminalis. *Oriental Spurge.* Fine ground-cover for shade or semi-shade. Its bright glossy green foliage is invaluable for bordering walks and drives. It is often used with success under trees where nothing else will grow. For quick results, plant 9 inches apart. Height 6 to 9 in. Plants from 3-in. pots, \$2.75 per doz., \$20 per 100; 2-yr. field-plants, \$2.50 per doz., \$15 per 100, \$100 per 1000.

PENTSTEMON digitalis. *Beard-Tongue.* Spikes of white flowers with delicate mauve shadings, produced in great profusion in June and July. 4 to 5 ft.

Firebird. Flowers are a fine rich scarlet. In bloom all summer and fall. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Garnet. Large-flowered; garnet. Fine for cutting all summer. 18 in. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Peonies

They require a deep rich soil and should be planted so that the eyes are about 2 inches beneath the surface. To each root we recommend a 4-inch pot of bonemeal at planting-time, which should be well mixed in the soil about the roots. If planted in the fall, we recommend also a blanket of manure or Mulch-o-Nure the first winter. Our plants are all 2 or more years old. They will not throw much bloom the first season, but should be established by the following year.

WHITE SHADES, DOUBLE.

Baroness Schroeder. Very large, tinted with delicate light pink; fragrant. \$1 each, \$11 per doz.

Festiva maxima. Large flowers with feathered petals and crimson flecks in the center. 75 cts. each, \$8.25 per doz.

Kelway's Glorious. Highly rated (9.8) by the American Peony Association. Very full gleaming flowers of enormous size; sweetly scented. \$3 each, \$33 per doz.

Le Cygne. The highest rating of any Peony (9.9). Creamy white. Very floriferous. \$2 each, \$22 per doz.

Solange. Broad, rounded petals suffused with a reddish glow light. A very strong grower, flowering in late midseason. \$1.50 each, \$16.50 per doz.

PINK SHADES, DOUBLE.

Katherine Havemeyer. Large, fully double flowers of apple-blossom-pink; sweetly fragrant. Very early. \$1.50 each, \$16.50 per doz.

Lady Alexandra Duff. Immense flowers, 4 to 6 on a stem. A beautiful flesh tint, with goldenanthers. \$1.50 each, \$16.50 per doz.

Mme. Ducl. Sparkling pink with silver tones. True globe-shaped flower on a strong-growing plant. Midseason. \$1 each, \$11 per doz.

Phyllis Kelway. A grand variety of good form and texture. Sparkling pink. \$1 each, \$11 per doz.

RED SHADES, DOUBLE.

Felix Crousse. Brilliant red flowers, large, compact, and globular. \$1 each, \$11 per doz.

Francois Rousseau. A fine variety with a dark silky sheen at the base. \$1 each, \$11 per doz.

Karl Rosenfield. Very fine rich blood-crimson flower. Strong grower. Very free flowering early in the season. \$1 each, \$11 per doz.

Mme. Gaudichau. Dark crimson flowers in late midseason. Very robust. \$1 each, \$11 per doz.

Philippe Rivoire. A dark crimson, early-flowering variety; very symmetrical and with a rich rose scent. \$2 each, \$22 per doz.

YELLOW SHADES, DOUBLE.

Primevere. A most attractive midseason variety with a sulphur-yellow center and creamy guard petals. \$2 each, \$22 per doz.

DOUBLE PEONIES TO COLOR. **White, Red, and Pink.** These are strong plants from good varieties. \$1.50 for 3, \$5.50 per doz., \$40 per 100.

SINGLE AND ORIENTAL PEONIES.

These beautiful Peonies, while not so well known, are of great merit. In the center of the wide-open flowers, stamens are often turned to modified petals.

Cathedral. (Oriental.) Vivid dark rose, pink outer petals, with a center of long pale pink petaloids. \$1.50 each, \$16.50 per doz.

Constance. (Oriental.) A charming pink variety with bright yellow centers. \$1.50 each, \$16.50 per doz.

White Mountain. (Oriental.) Snow-white petals with a central cluster of yellow petaloids. \$1.50 each, \$16.50 per doz.

Red General. (Oriental.) Wide red petals with rose-pink petaloids. \$1.50 each, \$16.50 per doz.

Sunkist. (Oriental.) A striking carmine with vivid orange-pink petaloids. \$1.50 each, \$16.50 per doz.

Nymph. (Single.) Large flesh-colored petals with a central tuft of golden stamens. \$1 each, \$11 per doz.

Purity. (Oriental.) A pure white variety with narrow white central petals shaded yellow. \$1.50 each, \$16.50 per doz.

The Delightful Fragrance of an Old-World Garden

Choice Perfumes by Atkinson of Old Bond Street on page 84.

PRICES, unless otherwise noted, \$1 for 3, \$3.75 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border

PHLOX subulata. *Ground Pink; Flowering Moss; Moss Pink; Mountain Pink.* ★ These well-known plants, with pretty moss-like evergreen foliage, are most suitable for clothing banks, and for all situations in the rock-garden. All are May-flowering. 3 to 6 in.

Alba. Pure white. **G. F. Wilson.** Mauve. **Liacea.** Lilac. **Rubra.** Crimson. **Rosea.** Rose-pink. **Vivid.** Deep pink.

PHLOX decussata

Hardy Garden Phlox

Their large choice flower-heads, produced from July until September, are of brilliant coloring and exquisitely perfumed.

Orange Beauty. Remarkable color in Phlox—a vivid bright orange. The plant is thrifty, grows strongly and is around 1½ feet high. Decidedly resistant to disease. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Eight Newer Varieties

Catherine. Lavender, flecked white. 24 in. **Dr. Klemm.** Lavender, darker eye. 18 in. **Daily Sketch.** Clear pink, darker eye. 20 in. **Eva Foerster.** Salmon-pink, light eye. 15 in. **Emain Macha.** Crimson-carmine. 18 in. **Flash.** Cherry-carmine, darker eye. 25 in. **Harvest Fire.** Fiery pink, darker eye. 30 in. **Mary Louise.** The best pure white. 25 in. Individual floret of each of the above 8 varieties larger than a half dollar.

Any of above new varieties, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Seven Good Standard Sorts

Blue Hill. A lilac-blue, the nearest to light blue. 2 ft. Aug. **Border Gem.** Distinct novelty. Large trusses; deep violet-blue. 2½ ft. Aug. **Commander-in-Chief.** Splendid grower Port-wine-colored. **E. J. Farrington.** Soft salmon-pink with lighter eye. An improved Elizabeth Campbell. 2½ ft. Aug. **Painted Lady.** Novelty. Silver-pink with red eye. **Salmon Glow.** Dwarf in habit. Trusses of lively pink flowers, shaded with salmon. 2½ ft. Aug. **Von Lassburg.** Splendid white sort. 3 ft.

PHLOX suffruticosa, Miss Lingard. Flowers in June and continues on through summer. Large; white. 2½ ft.

PHLOX divaricata Laphami. ★ Trusses of large, fragrant, lavender-blue blooms in May. One of the native wild flowers. 9 in. Other Phlox species are offered on page 84.

PHYSALIS. See page 84.

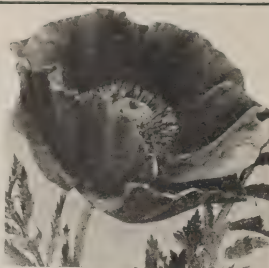
PHYSOSTEGIA. See page 84.

PLATYCODON. *Bulloon Flower; Chinese Bellflower.* Fine hardy perennial, producing cup-shaped 2-inch flowers through summer and autumn.

Grandiflorum. Large steel-blue flowers. 1½ in.

Grandiflorum album. White with pale blue tinge. 2 to 2½ ft.

Stellata fl.-pl. Large, glossy deep blue flowers, double and star-shaped. 2½ ft.



Oriental Poppy

POPPIES

PAPAVER NUDICAULE. *Iceland Poppies.*

The flowers are produced on wiry stems and are paper-like in texture. They come in the richest colorings imaginable.

Alpinum. ★ Dainty little flowers of all shades arising from tufts of silvery gray foliage. 4 in. May.

Beauty of Belvedere. A new strain with very large flowers of beautiful pastel shades. Extremely vigorous. 2 ft. June.

Yellow Wonder. Giant variety with large yellow flowers; long stems. 3 ft. June.

PAPAVER ORIENTALE. *Giant Oriental Poppies.* These handsome large-flowered Poppies have few rivals among hardy plants. Their striking foliage and glowing flowers make them most effective for grouping with other perennials where a vivid splash of color is required in June and July. We offer pot-grown plants which can be moved at any time; these are grown from cuttings, not seedlings.

Beauty of Livermore. Flowers of rich crimson-maroon, 9 inches in diameter. 3 to 3½ ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Cedar Hill. Novelty. The best pink we have ever seen. Flowers 4 to 6 inches in diameter. 3 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Perry's White. Immense flowers of a pure satiny white with a crimson-maroon blush at the base of the petals. 3 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Wurtembergia. The immense flowers, 6 inches or more in diameter, are brilliant rose-red. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

PAPAVER ORIENTALE, Cerise Bedder. Rich sparkling cerise flowers 4 to 6 inches across with two rows of petals. *Fine for cutting.* 55 cts. each, \$1.50 for 3, \$5.50 per doz.



Primula japonica

PLUMBAGO Larpentae. *Leadwort.* ★ A late-flowering dwarf perennial which makes a compact mound, smothered with sky-blue flowers in September and October. 6 to 9 in.

POLEMONIUM reptans, Royal Blue. *Jacob's Ladder.* ★ Pretty foliage of delicate texture, with airy spikes of bright blue flowers. 1 ft. June.

PRIMULA • Primrose ★

For the rock and alpine garden, for the semi-shady garden, for brightening up woodland walks, dells, and, indeed, for any place where the plants will be cool at the roots.

PRIMULA ACAULIS.

Acaulis. *True English Primrose.* Pale lemon flowers borne solitarily on slender stems. 6 in. May. \$1.20 for 3, \$4.50 per doz.

Pastel Shades. A wonderful mixture, containing purples, lavenders, creams, buffs, and pinks. 6 in. April.

PRIMULA ELATIOR (POLYANTHUS).

The choice flowers are borne in clusters on stout stems. 6 to 9 in.

Alba. Huge white trusses of flowers in May.

Elatior, Yellow. A giant yellow Polyanthus with flower-stems the thickness of a pencil. The center of the flowers is tinged pink. \$1.20 for 3, \$4.50 per doz.

Elatior, Mixed. All colors and shades.

PRIMULA SPECIES.

Auricula. A choice specimen of dwarf, compact habit, suited for the rock-garden. Leaves are large, leathery, and glossy. Flowers of most stunning colors, all with a contrasting eye, such as lavender with yellow center, red with buff center, etc. Mixed only. 6 in. June.

Cortusoides. A beautiful variety with fresh green, scalloped leaves. The plants throw a profusion of slender spikes which bear heads of charming pink flowers from May until July. 9 in.

Above two varieties, \$1.20 for 3, \$4.50 per doz.

Primula denticulata. Long lineal foliage and fine globular heads of lavender flowers make this one of the prettiest of Primulas. 1 ft. April, May.

Japonica, S. & W. Strain. Another Candalaria, very vigorous in growth. Handsome crinkly foliage and tall spikes of flowers in whorls. White, pink, copper-red and crimson, mixed. 2 ft. June, July.

Above two varieties, \$1.20 for 3, \$4.50 per doz.

Sieboldi. Beautiful rare species with fine scalloped leaves and heads of large flowers. 8 in. May. Mixed only, Rose and Pink. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Wanda. A mat-forming Primula with dark green foliage and a profusion of rich purple flowers with golden eyes, on 3-inch stems. 4 in. May.

PULMONARIA. See page 84.

PYRETHRUM. *Painted Lady.* Grand border plants of the Daisy family. They all flower in June and July. 2 to 2½ ft.

Single, Mixed. Reds, whites, and pinks, all with yellow centers. Very vigorous.

ROSMARINUS officinalis. *Rosemary.* See Herbs, pages 18 and 19.

PRICES, unless otherwise noted, \$1 for 3, \$3.75 per doz. Purchaser pays transportation beyond 50 miles of New York

★Dwarf plants for the Rock-garden and edging the Perennial Border



©
LYTHRUM, Red Beacon

An improvement on the old favorite Loosestrife. Three-foot flower-spikes, effective from August to October.

55 cts. each, \$1.50 for 3, \$5.50 per doz.

DIANTHUS, New Blue

The foliage of this splendid novelty is dark green. Its flowers, which resemble a sweet william, are profusely borne on 9-inch trusses and are of the most exquisite lavender-blue color. Blooms from July to September.

\$1.20 for 3, \$4.50 per doz.



DIANTHUS, New Blue



OENOTHERA, Illumination

Long salmon-pink buds and golden yellow $1\frac{1}{2}$ -inch flowers. Perfect pyramidal shape. Hundreds of flowers from June to fall. $1\frac{1}{2}$ to 2 ft.

55 cts. each, \$1.50 for 3, \$5.50 per doz.

THESE Modern PERENNIALS *will enhance the charm of* **YOUR HARDY BORDER**



CHRYSANTHEMUM, Esther Reed

A double *C. maximum* that flowers early; pure white on sturdy stems perfect for cutting. A Chrysanthemum that will bloom all summer. Height 18 in.

55 cts. each, \$1.50 for 3, \$5.50 per doz.

ASTER, Violetta

Striking large-flowering Michaelmas Daisy that is smothered in bloom from September to November. Grows 5 feet high.

55 cts. each, \$1.50 for 3, \$5.50 per doz.



PENTSTEMON, Firebird

A larger and more brilliant Beard-Tongue, striking and beautiful.

PENTSTEMON, Garnet

A darker shade (Not illustrated.)

The 20-inch spikes of both these splendid sorts are ideal for cutting.

Above two, 55 cts. each, \$1.50 for 3, \$5.50 per doz.



ASTER, Violetta



ASTILBE, FANAL

Vermilion flowers with reddish green foliage. June-July. 2 ft. \$1 each, \$11 per doz.

SCABIOSA

Scabious; Pincushion Flower

A fine perennial needing a rich soil which is slightly alkaline. Large flowers borne on long, wiry stems make it a fine subject for cutting.

Caucasica, Giant Hybrids (Isaac House Strain). A mixture. Delicate lilacs and mauves predominate, but pure white and even dark blues often occur. 2 ft. July-Sept. \$1.20 for 3, \$4.50 per doz.



SEVEN NEW PHLOX

Will give you a gorgeous display from August to frost

Catherine. Lavender, flecked white. 24 in.
Dr. Klemm. Bright lavender, darker lavender eye. 18 in.
Eva Foerster. Salmon-pink, lighter eye. 15 in.

Emain Macha. Crimson-carmine. 18 in.
Flash. Cherry carmine, darker eye. 25 in.
Harvest Fire. Fiery pink, darker eye. 30 in.
Marie Louise. The best pure white. 25 in.

55 cts. each, \$1.50 for 3, \$5.50 per doz.

COLLECTION 95A

7 PLANTS, 1 each of above 7 varieties \$3.50

21 PLANTS, 3 each of above 7 varieties \$10

84 PLANTS, 12 each of above 7 varieties \$35

1 Harvest Fire. 2 Catherine. 3 Marie Louise. 4 Eva Foerster. 5 Emain Macha. 6 Dr. Klemm



FLASH



Rudbeckia, The King

RUDBECKIA. *Coneflower.* Bright border plants of easy culture in any garden soil. **Golden Glow.** Rich double yellow flowers, good for cutting. 5 to 6 ft. Aug. **Hirta Hybrids.** Large single flowers with a color-range from yellow through orange and brown to terra cotta. July-Sept. **Purpurea.** A striking flower of purple color with a brown cone-shaped center. 3 to 4 ft. July-Oct. **The King.** Deep crimson flowers. 3 ft. July-Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Rudbeckia

White Luster. A new introduction this year. Large white flowers, with a central golden cone. 75 cts. each, \$2.15 for 3, \$8.25 per doz.

SAGE (*Salvia officinalis*) is clared on page 19.

SALVIA. *Meadow-Sage; Clarry.* **Azurea grandiflora.** A fine plant of branching habit, smothered with gentian-blue flowers in late summer and autumn. 4 feet high; 2 to 3 ft. in diameter. **Farinacea.** Spikes of powder-blue flowers. 2 to 2½ ft. July-Sept. **Farinacea alba.** A white counterpart of the above. If both are planted together a charming combination is obtained.

SANTOLINA. *Lavender Cotton; Ground Cypress.* ★ Dwarf sub-shrubs which hold their leaves in winter. They are excellent for edgings or for the rock-garden, and can be clipped every year. The foliage is most attractive and very aromatic.

Incana. Very compact, with beautiful silvery gray foliage with the appearance of bunched coral. Yellow flowers in July. 6 to 9 in.

Viridis. A bright-green-foliaged variety. White flowers in July. 1 ft.

SAVORY. See Herbs, pages 18 and 19.

SAXIFRAGA. *Rockfoil.*

Ceratophylla. ★ A mossy Saxifrage of easy culture; compact habit, with sprays of white flowers. 6 in. June, July.

Cordifolia. A giant Saxifrage with huge green leaves. Pink flowers. July.

Encrusted, Mixed. ★ A beautiful selection of encrusted Saxifrages, all with rosettes of silvery leaves and spikes of white flowers in June. 6 to 9 in.

PRICES, unless otherwise noted, \$1 for 3, \$3.75 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the rock-garden and edging the Perennial Border

SCABIOSA

Scabious; Pincushion Flower

A fine perennial needing a rich soil which is slightly alkaline. Large flowers borne on long, wiry stems make it a fine subject for cutting.

Caucasica, Giant Hybrids, Mixed (Isaac House Strain). This striking plant is illustrated in color on opposite page. Delicate lilac and mauve predominate, but pure white and even dark blues often occur. 2 ft. July-Sept. \$1.20 for 3, \$4.50 per doz.

SEDUM • Stonecrop ★

This plant was the backbone of the early rock-gardens, and no rock-garden today is complete without some of the species mentioned here.

Acra. ★ Green foliage. Bright yellow flowers. 3 in. June.

Altitissimum. ★ Yellow. 6 to 8 in. July, Aug. **Balticum.** ★ 3 in. June.

Beyrichianum. ★ Compact green rosettes with pink centers. A good carpeter.

Dasyphyllum. ★ Rose. 3 in. June.

Lydiun. ★ Pink. 2 in. June.

Middendorffianum. ★ Excellent matting variety, 4 inches high, with yellow flowers. Beautiful reddish purple foliage in autumn.

Nevi. ★ Blue-gray rosettes. 4 in. July.

Sieboldi. ★ Rose-pink. 9 in. Aug.

SEMPERVIVUM. *Houseleek; Live Forever.*

★ Evergreen succulents resembling Sedums. The leaves are often brightly colored at the base.

Arschnoideum. *Cobweb Houseleek.* A characteristic plant. The round masses of leaves are always covered with a white cobwebby substance, giving it a most unusual effect. 2 in.

Globiferum. Grass-green rosettes tinged with red. Yellow flowers in August. 3 to 4 in.

Mixed Seedlings. Shapes and sizes of every description. A choice selection. 3 to 4 in.

SILENE. *Catchfly; Campion.*

Schafta. ★ One of the best autumn-flowering rock-plants. It blooms in October when flowers are scarce in the rockery. A compact plant with bright rose-pink flowers. 6 in.

SPIR/EA. *Goat's Beard; Meadowsweet.* Suitable for borders, damp situations, and water plantings. June.

Filipendula alba. Finely cut foliage. Creamy white flowers. 2 ft.

Davidi. A vigorous variety, growing 3 feet high, with delicate pale pink flowers in July and August.

Palmata elegans. A light pink. 3 ft.

Ulmaria fl.-pl. Well-known double Meadowsweet, with a profusion of creamy white flowers. 3 ft.

STATICE. *Sea-Lavender.* Of easy culture, these unusual border plants have little foliage but throw tremendous sprays of flowers after the style of *Gypsophila paniculata*.

Latifolia. Large basal leaves and clouds of pale blue flowers in August. 2 ft.

Latifolia dumosa. Bluish lavender flowers in great profusion, which, when dried, become silvery. 1½ ft. Aug.

STOKESIA *lilacea grandiflora.* Stokes'

Aster. A marvelous plant with a compact growth of basal leaves, from which arise the flowers on stems 18 to 20 inches long. These are often 5 inches across, and are of a silvery blue color with a lilac suffusion at the center.

SWEET WILLIAM

These brilliantly colored old-fashioned garden plants are as indispensable today as they were 100 years ago. Each plant will give a wealth of bloom in June.

Auricula-eyed. These are chiefly reds and pinks, but all have a pronounced white eye. 1½ ft.

Pink Beauty. A sparkling crushed straw-pink.

Scarlet Beauty. A vivid scarlet. Very choice and effective. 1½ ft.

TEUCRIUM *Chamaedrys.* *Germander.* ★

A dwarf sub-shrub with glossy green foliage and bright rose flowers, adaptable for edging borders and paths. 1 ft. Aug.

THALICTRUM. *Meadow-Rue.* Extremely graceful foliage not unlike a maidenhair fern, and dainty flowers in profusion.

Adiantifolium. White flowers freely produced in June. 18 in. to 2 ft.

Aquilegifolium. As its name implies, it has foliage like a columbine, with rich purple-mauve flowers. 3 ft. June.

Glaucum. This we recommend especially, as it has blue-green foliage, finely divided, and heads of sulphur-yellow, fluffy flowers. 4 ft. July.

Minus. ★ Dwarf variety with white flowers and miniature foliage. Very suitable for the rock-garden. 6 to 9 in. July.

THERMOPSIS caroliniana. A plant that has been grown for the last 130 years, and yet is not too well known today. It grows 5 feet high, with large, yellow, pea-shaped flowers in July.

THYMUS. *Thyme.* ★ These charming, fragrant plants are mostly of dwarf, spreading habit and are unexcelled for dry, sunny banks where grass is difficult to establish, and for various positions in the rock-garden. When planted at the crevices of walks, they give off a fragrant aroma when walked on, and are a sheet of blossoms in June and July.

Lanuginosus. Mauve flowers and gray, woolly leaves. 2 in. June.

Serpyllum. The wild Mountain Thyme of creeping habit, with rosy purple flowers. 2 in. June.

Serpyllum album. Decidedly miniature foliage of light bright green with pure white flowers. 1 in. June.

Serpyllum coccineum. Very dark reddish green foliage, making a perfect mat like the above, but with brilliant crimson flowers. 1 to 2 in. June.

See also page 19 for varieties of Thyme frequently grown in the herb-garden.

TRITOMA

Torch Lily; Flame Flower; Red-Hot Poker

Very vigorous perennials of easy culture in any garden soil, in full sun. They have strong grass-like foliage from which arise spikes of flowers from July to September.

Pfitzeri. Everblooming *Tritoma*. Bright orange-scarlet flowers with salmon-rose edges. Fine for cutting. 3 ft.

S. & W. Hybrids. A grand mixture of yellows, flame-reds, burnt-orange, etc.

TROLLIUS, Eleanor. This fine yellow globe-flower blooms all summer. 18 in. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

VERBENA. *Vervain*. Variable plants, as the descriptions will show. We recommend winter protection for them.

Bonariensis. Lavender-rose sprays on long, wiry stems. June to October. 4 to 5 ft.

Canadensis. ★ A creeping plant with cut foliage and lavender flowers all summer. 6 to 9 in.

Chamaedryfolia. ★ Of trailing and spreading growth continually producing scarlet flowers. 3 in. May to Oct.

Maonetti. ★ Pink and white striped flowers on a trailing plant. Blooms all summer. 6 in.

LEMON VERBENA (*Aloysia citrodora*) is described on page 18.

VERONICA • Speedwell

Charming plants, natives of Europe and America. Free flowering, and they can be used in the rock-garden and border.

Blue Jay. Flowers in August and September. Bright blue sprays. 2 to 3½ ft.

Incana nana. ★ A compact plant with beautiful silvery foliage and spikes of brilliant blue flowers. 6 to 9 in. July, Aug.

Incana rosea. Similar, with pink flowers.

Longifolia subsessilis. Very heavy long spikes of deepest blue. Perfect border plant. 2 to 3 ft. July.

Spicata. Useful border plant with spikes of blue flowers from July to September. 2 ft.

True Blue. Smothered with blossoms of intense blue. 9 to 12 in. June, July.

VINCA. *Periwinkle; Old Maid; Myrtle.* ★ Grand ground-covers for shade.

Alpina. A beautiful plant with large purple flowers produced all summer and fall.

Minor. Delicate blue flowers with glossy green foliage.

Minor alba. White flowers show up well against the dark glossy foliage.

Minor. Bowles Variety. A greatly improved form. Always in bloom, the flowers being very large and clear blue.

VIOLA cornuta, Jersey Gem

Tufted Pansies ★

The rich violet-hued flowers are like those of pansies but smaller. However, they are perennial and very sweetly scented. Plant them in rock-gardens, borders, and paths. 6 to 9 in. May until fall.

SCENTED GERANIUMS

Charming plants which do well in a porous soil and sunny situation. They can be cut back and potted up in the late fall, to be carried over the winter in a sunny window where they will prove excellent house plants. Nine distinct kinds; see page 18.

Each 45 cts., \$1.20 for 3, \$4.50 per doz.

Additional Perennials

We also grow the plants listed below, but regret that limited space precludes a description of them.

Achillea Millefolium roseum (Yarrow).

Achillea, Perry's White.

Arenaria verna aurea (Sandwort).

Arenaria verna caespitosa.

Aubrietia, Monarch, Mixed (Rock-Cress).

Baptisia australis (False Indigo).

Bruckenthaliaspiculifolia (Spike's Heath).

Caryopteris Mastacanthus (Mustache Plant).

Centaurea macrocephala.

Centaurea ruthenica.

Cerastium tomentosum (Snow-in-Summer).

Chelone barbatus Torreyi.

Epimedium macranthum niveum (Barrenwort).

Epimedium macranthum roseum.

Epimedium rubrum.

Epimedium sulphureum.

Erodium chamaedryoides (Heron's Bill).

Incarvillea Delavayi.

Nierembergia rivularis (Cup-Flower).

Oenothera speciosa (Evening Primrose).

Phlox amœna.

Phlox camlaensis.

Phlox reptans.

Phlox, Schneewitchen.

Phlox stellata.

Physalis Francheti (Chinese Lantern).

Physostegia, Dwarf Vivid (False Dragon-head).

Physostegia virginiana.

Pulmonaria maculata (Blue Cowslip).

Pulmonaria saccharata.

Pulmonaria, Mrs. Moon.

Any of the above, \$1 for 3, \$3.75 per doz.

VIOLA odorata

Sweet Violet

The Violets listed below are among the best and most distinct. All are splendid for cutting. The double Violets should be afforded some protection in winter.

Frey's Fragrant. A single Violet with flowers ½ to ¾ inch in diameter, on 6 to 9-inch stems. Rich deep purple. Very prolific in April and flowering again in the fall.

Marie Louise. Very large; double; lavender. Spring flowering. \$1.20 for 3, \$4.50 per doz.

Rosina. Single, very fragrant flowers of dark rose-pink. \$1.20 for 3, \$4.50 per doz.

Russian Single. Produces great masses of fine large deep purple flowers.

Snow Queen. Own introduction. Dozens of large white Violets on long stems. Spring flowering. \$1.20 for 3, \$4.50 per doz.

WORMWOOD. See *Herbs* pages 18 and 19.

YARROW. See *Herbs*, pages 18 and 19.

YUCCA filamentosa. *Adam's Needle.*

Spiked evergreen foliage with creamy white flowers on 6-foot stems. Requires full sun and a calcareous soil. A fine plant for tubs and terraces and for planting in positions where boldness is required. 1-yr. plants, \$1 for 3, \$3.75 per doz.; 2-yr. plants, \$1.35 for 3, \$5 per doz.; 3-yr. plants, \$2 for 3, \$7 per doz.

FLORAL PERFUMES

The delightful fragrance of an Old-World Garden.

We offer the English creations of Atkinson of Old Bond Street, Perfumers to Royalty.

Established at the end of the 18th century, the House of Atkinson has long been a synonym for the finest in perfumes. Visited by Beau Brummel and his friend, the King, in 1799 began the social patronage which Atkinson products have enjoyed to this date.

FLORAL PERFUMES

Six superbly smart scents: Freesia, Violet, Jasmine, Rose, New-Mown Hay, Lily-of-the-Valley.

1/4oz.....	\$2 75	1 oz.....	\$6 75
1/2oz.....	4 50	2 ozs.....	10 00

CARILLON PERFUME

Spirited, gay, modern; an exclusive fragrance.

1/2oz.....	\$5 50	2 ozs.....	\$20 00
1 oz.....	10 50		

ENGLISH LAVENDER WATER

In Modern Bottles

2 ozs.....	\$1 50	7 ozs.....	\$4 75
4 ozs.....	2 75	9 ozs.....	6 00

ROYAL BRIAR EAU DE COLOGNE

The preference of distinguished English and American Socialites.

2 ozs.....	\$1 95	7 ozs.....	\$5 95
4 ozs.....	3 50	9 ozs.....	7 50

GOLD MEDAL EAU DE COLOGNE

Essences of lemon, orange, bergamot, rosemary and neroli, pure and costly, go into this scent.

2 ozs.....	\$1 50	7 ozs.....	\$4 75
4 ozs.....	2 75	9 ozs.....	6 00

Add 10% for Federal Tax on Perfumes



The Perfumes offered above are manufactured and packed in England

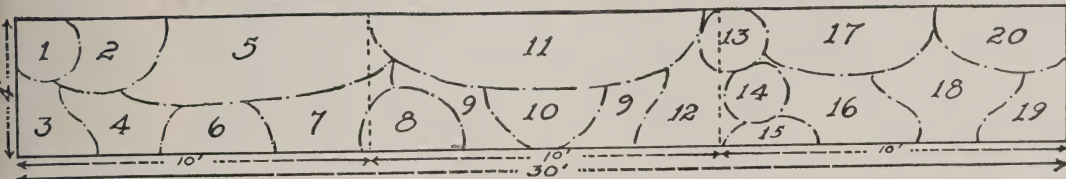
PRICES of Hardy Perennial Plants, unless otherwise noted, \$1 for 3, \$3.75 per doz.

★ Dwarf plants for the Rock-garden and edging the Perennial Border

Flower Seeds are delivered free anywhere in the U. S. We prepay transportation on most other merchandise within 50 miles. See page 114.

STUMPP & WALTER CO.

YOU CAN FILL THIS 30 BY 4-FOOT PERENNIAL BORDER WITH ONE OF THESE PLANT COLLECTIONS



*A Cutting Garden

	Key
1 Aster, Queen Mary	1
3 Iris, Queen Catherine	2
3 Lavandula, Munstead Strain	3
3 Gaillardia, Mr. Sherbrook	4
3 Hemerocallis, D. D. Wyman	5
3 Anemone, September Charm	6
3 Chrysanthemum, Milky Way	7
3 Stokesia lilacina	8
6 Dianthus, Beatrix	9
6 Coreopsis, Perry's Variety	10
6 Delphinium, Pacific	11
3 Verbena bonariensis	12
1 Artemisia, Silver King	13
3 Heliothis incomparabilis	14
3 Scabiosa, Isaac House Strain	15
3 Doronicum excelsum	16
3 Tritoma, S. & W. Co.'s Hybrids	17
3 Campanula persicifolia fl.-pl.	18
3 Chrysanthemum, White Swan	19
1 Helianthus, Soleil d'Or	20

60 Plants COLLECTION 118A: \$19.50
Catalogue value, \$22.70

A Fragrant Garden

	Key
1 Monarda, Salmon	1
3 Iris, Grace Sturtevant	2
3 Santolina incana	3
3 Arabis, Snowcap	4
3 Hemerocallis, Dr. Regel	5
6 Carnation, Perpetual	6
6 Phlox divaricata	7
3 Thymus vulgaris	8
6 Dianthus, Her Majesty	9
3 Artemisia, Silver King	10
3 Phlox, Salmon Glow	11
1 Artemisia lactiflora	12
3 Lavandula, Munstead Strain	13
3 Enothera	14
3 Viola	15
3 Nepeta Mussini	16
3 Iris, Mrs. Valerie West	17
3 Funkia subcordata	18
3 Sweet William, Auricula-eyed	19
3 Salvia officinalis	20

65 Plants COLLECTION 118B: \$19.50
Catalogue value, \$21.70

For Full Sun

	Key
3 Aster, Red Cloud	1
3 Iris, Wedgwood	2
3 Veronica spicata	3
3 Gypsophila repens	4
3 Phlox, Salmon Glow	5
3 Aquilegia, Yellow	6
3 Dianthus, Beatrix	7
3 Lychnis Viscaria	8
3 Aster Frikarti	9
2 Heliothis incomparabilis	10
6 Delphinium, Pacific	11
3 Aquilegia, Scarlet	12
3 Rudbeckia purpurea	13
3 Coreopsis, Perry's Variety	14
3 Geum, Princess Juliana	15
3 Delphinium, Belladonna	16
3 Tritoma, S. & W. Co.'s Hybrids	17
3 Chrysanthemum, White Swan	18
3 Armeria, Farmingdale Giants	19
3 Chrysanthemum, Korean	20

62 Plants COLLECTION 118C: \$19.50
Catalogue value, \$25.75

*This Collection is shown in color on inside back cover.

For Partial Shade

	Key
1 Aster, Violette	1
3 Iris, Indian Chief	2
1 Funkia subcordata	3
3 Phlox, Harvest Fire	4
6 Liatris scariosa alba	5
6 Primula cortusoides	6
3 Plumbago Larpenae	7
3 Anemone, September Charm	8
6 Gentiana acaulis Clusi	9
2 Dicentra eximia	10
6 Digitalis, Giant Shirley	11
3 Aster, Palmyra	12
1 Dicentra spectabilis	13
1 Coreopsis, Perry's Variety	14
3 Primula japonica	15
3 Aster, Goliath	16
3 Hemerocallis Goldeni	17
5 Iris, Alta California	18
3 Nepeta Mussini	19
3 Veronica, True Blue	20

65 Plants COLLECTION 118F: \$19.50
Catalogue value, \$24.80

A Pink and Red Garden

	Key
3 Aster, Red Cloud	1
3 Iris, Goblin Red	2
3 Helianthemum, Scarlet	3
3 Armeria, Farmingdale Giants	4
6 Phlox, Salmon Glow	5
3 Anemone, September Charm	6
3 Veronica incana rosea	7
3 Chrysanthemum, Hebe	8
3 Heuchera, Bloom's Variety	9
3 Monarda, Salmon	10
6 Hollyhock, Pink	11
3 Pyrethrum, Mixed	12
3 Aquilegia, Scarlet	13
3 Papaver, Beauty of Livermore	14
3 Dicentra eximia	15
3 Lychnis Viscaria	16
3 Phlox, Salmon Glow	17
3 Chelone barbatus Torreyi	18
3 Sweet William, Scarlet Beauty	19
3 Chrysanthemum, Kristina	20

65 Plants COLLECTION 118H: \$19.50
Catalogue value, \$22.60

A Blue and Lavender Garden

	Key
1 Anchusa italica, Dropmore	1
2 Aster, Violette	2
3 Campanula garganica	3
3 Platycodon grandiflorum	4
5 Iris, Grisette	5
3 Veronica incana nana	6
3 Plumbago Larpenae	7
3 Stokesia lilacina	8
6 Viola, Jersey Gem	9
3 Scabiosa, Isaac House Strain	10
6 Delphinium, Pacific	11
3 Aquilegia alpina	12
1 Iris, Violet Giant	13
1 Iris, Blue Queen	14
3 Phlox Laphami	15
3 Linum perenne	16
3 Aconitum Fischeri	17
3 Phlox, Border Gem	18
3 Aster, Goliath	19
3 Veronica, Blue Jay	20

62 Plants COLLECTION 118J: \$19.50
Catalogue value, \$23.30

Any two Collections, \$35; any three Collections, \$50

For Flower Arrangements

	Key
Photo on Left	
3 Hemerocallis, Lemonia	1
3 Tritoma Hybrids	2
3 Chrysanthemum Maximim	3
3 Achillea, Perry's White	4
3 Phlox, Salmon Glow	5
3 Veronica, Blue Jay	6

Collection 118K
Catalogue Value \$7.15 **\$5.75**

	Key
Photo on Right	
3 Hemerocallis, Dover	1
3 Achillea, Perry's White	2
3 Gaillardia Hybrids	3
3 Hemerocallis, D. D. Wyman	4

Collection 118L
Catalogue Value \$5 **\$4.25**



WATER-LILIES and POND PLANTS

Hardy Water-Lilies (Nymphaeas) (April 10 shipment)

For ponds, lakes, or in still pools along a stream. Plant in about 2 feet of water. Once established, they become a source of permanent beauty.

- Attraction.** Immense flowers, produced freely, and bright red in color. \$2.50 each.
Aurora. Flowers open amber-yellow, changing to orange-red on the second day and to deep red on the third. \$1.25 each.
Comanche. Large flowers of deep rich apricot with glowing red markings deepening to copper-orange. \$2 each.
Conqueror. Immense flower, with bright red petals, shaded white on the inside, changing to deep red as the flower ages. \$2.25 each.
Gladstone. Large, pure white, globular flowers. \$1.50 each.
Gloriosa. Beautiful clear red, deepening to dark red. \$2.25 each.
Helen Fowler. Deep pink flowers. Suitable for growing in a tub. \$1.25 each.
Marliac Rose. Fragrant, cup-shaped flowers, deep rose in color. \$1.75 each.
Marliac White. Waxy white flowers, with bright yellow stamens. \$1 each.
Marliac Yellow. Bright chrome-yellow flowers. \$1.25 each.
Pink Opal. Full-petaled, cup-shaped flowers of a deep rich pink. \$1 each.
Rose Arey. Large, pink, fragrant, with long-pointed petals. \$2 each.

Tropical Water-Lilies (June 1 shipment)

These are of two distinct types: the Day-bloomers, whose flowers open with the sun and close at evening, and the Night-bloomers, whose flowers open in the afternoon and remain open until late the following morning. On cloudy days the latter sometimes remain open throughout the twenty-four hours. All are most beautiful.

Day-Blooming Sorts

- August Koch.** Pale wisteria-violet. Excellent variety. \$2.25 each.
Cerulea. The original blue Lotus of the Nile. Fragrant. \$1.25 each.
Colonel Lindbergh. Enormous deep sky-blue flowers. \$2.25 each.
Dauben. Very fragrant light blue flowers. Recommended for tub-gardening. \$1.25 each.
General Pershing. Broad, chalice-shaped flowers of a clear pink. \$2.25 each.
Mrs. E. Whitaker. Flowers 10 to 12 inches across, pale blue. One of the best hybrids. \$2.25 each.
Mrs. George H. Pring. Best pure white; large; fragrant. \$1.75 each.
Zanzibariensis. (African Purple Lily). Fragrant flowers 6 to 8 inches across. \$1.50 each.
Zanzibariensis rosea. Good-sized, bell-shaped flowers of beautiful rose-pink. \$1.25 each.

Night-Blooming Sorts

- Bissett.** Beautiful pink; wide petals. One of the best. \$1.75 each.
Devonshire. Rosy red, 8- to 10-inch flowers. Bronze leaves. \$1.25 each.
Juno. The largest flower in the Night-blooming section. Broad, snow-white petals around a center of yellow stamens. \$2 each.
Omara. Produces large flowers of a deep rose color. \$1.50 each.

Lotus

Tubers are available from April 10 to June 1, after which date we offer them growing in pots at the prices shown below, plus \$1.50. Do not break the growing tip.

- Soil should be rich, and covered with 6 to 10 inches of water. Set the tubers at an angle, so that the tip is barely covered, and firm the soil about the tuber.
American Lotus (*Nelumbium lutea*). Native variety having large, cream-yellow flowers with a delightful fragrance. Tubers, \$2 each.
Sacred or Egyptian Lotus (*N. nucifera*). A hardy, vigorous, fragrant type having rose-tipped petals, shading to cream at the base. Tubers, \$2 each.
Shiroman Lotus (*N. nucifera albo-plena*). Large, globular flowers, double or with many petals of pure white. Blue-green foliage. Tubers, \$3 each.
Chinese Lotus (*N. pectinatus*). Double flowers of a rich rose-red. Tubers, \$3 each.
 Add \$1.50 to the above prices for potted plants after June 1

Bog and Marsh Plants (April 10 shipment)

- Purple Water Hyacinth** (*Eichhornia azurea*). 75 cts. for 3, \$2.75 per doz.
Sweet Flag (*Acorus calamus variegatus*). Variegated leaves. 79 cts. for 3, \$2.75 per doz.
Water Poppy (*Hydrocleis nymphoides*). 35 cts. for 3, \$1 per doz.
Spiral Palm. Plants from 3-inch pots. \$1 for 3, \$3.75 per doz.
Ginger or Butterfly Lily (*Hedychium coronarium*). \$1 for 3, \$3.75 per doz.
Yellow Flag (*Iris pseudacorus*). 75 cts. for 3, \$2.75 per doz.
Marsh Iris (*Iris versicolor*). 75 cts. for 3, \$2.75 per doz.
Oriental or Water Taro (*Colocasia antiquorum illustris*). \$1.50 for 3, \$5 per doz.
Oriental or Water Taro (*Colocasia multiflora*). 75 cts. each, \$8 per doz.
Egyptian Paper Plant (*Cyperus papyrus*). \$1 for 3, \$3.75 per doz.
Umbrella Palm (*Cyperus alternifolius*). \$1 for 3, \$3.75 per doz.
Water Plantain (*Alisma plantago*). \$1 for 3, \$3.75 per doz.
Wild Rice (*Zizania aquatica*). 50 cts. for 3, \$1.75 per doz.



Shallow-Water Plants (April 10 shipment)

- Arrow-head** (*Sagittaria latifolia*). Well-known native plant. 75 cts. for 3, \$2.75 per doz.
Cattail (*Typha latifolia*). \$1.25 per doz.
Floating Heart (*Nymphoides peltatum*). 35 cts. for 3, \$1 per doz.
Marsh Marigold (*Caltha palustris*). 75 cts. for 3, \$2.75 per doz.
Parrot Feather (*Myriophyllum proserpincoides*). 35 cts. for 3, \$1 per doz.
Pickering Rush (*Pontederia cordata*). 75 cts. for 3, \$2.75 per doz.
Water Nasturtium. 50 cts. for 3, \$1.75 per doz.

Floating Plants (April 10 shipment)

- Azolla** (*Azolla caroliniana*). 35 cts. per portion.
Water Fern (*Ceratopteris thalictroides*). 50 cts. per portion.
Duck Weed (*Lemna minor*). 25 cts. portion.
Salvinia (*S. grazielensis*). 25 cts. per portion.
Water Lettuce or Shell Flower (*Pistia stratiotes*). 50 cts. for 3, \$1.75 per doz.
Water Hyacinth (*Eichhornia crassipes major*). 75 cts. for 3, \$2.75 per doz.

Submerged Plants (Oxygenating)

(April 10 shipment)

- Sagittaria guayanensis.** \$1.50 for 3, \$5.50 per doz.
Sagittaria sinensis. 35 cts. for 3, \$1 per doz.
Vallisneria. 60 cts. per doz.
Herpestis. 50 cts. for 3, \$1.75 per doz. bunches.
Anacharis, Cabomba (Fanwort; Fish-Grass), Milfoil (*Myriophyllum*), Ludwigia.
 Above 4, per bunch 35 cts., doz. bunches \$3.50

UNDERWATER PAINT for pools and swimming tanks. Robin's-egg blue. Qt. \$1.75, gal. \$5.

COLLECTIONS OF WATER PLANTS

- HARDY POOL COLLECTION No. 86.** \$8 (Ready April 10)
 Suitable for a pool about 30 square feet in area. One each: Water-Lily, Gloriosa (red), Gladstone (white) and Pink Opal. Also the following aquatic plants:
 5 plants for a centerpiece or background 3 floating plants
 12 plants for corners or margins 3 submerged plants

- COLLECTIONS OF TROPICAL WATER-LILIES (Ready June 1)**
No. 862. Two day-blooming kinds, Mrs. George H. Pring and Mrs. E. Whitaker. (Value \$4.) \$3 25
No. 863. One each of three night-blooming sorts, Juno, Devonshire and Bissett (Value \$5). 4 00
No. 864. One each of four day-blooming sorts (Value \$8.50). 7 25

HARDY FLOWERING VINES

These are strong, two-year-old, field-grown plants. We wrap each one individually, with the roots well protected, and mark clearly the name of the variety.

Ampelopsis

Boston Ivy; Oriental Ivy

Veitchi. The most popular of all climbing plants. Attains a height of 30 feet in two or three years; clings to stones, brick, or woodwork. 50 cts. each, \$5.50 per doz., \$42.50 per 100.

Engelmanni (Improved Virginia Creeper). A splendid climber with dense foliage. Clings tightly to walls. 50 cts. each, \$5.50 per doz., \$42.50 per 100.

Aristolochia Sipho

Dutchman's Pipe Vine

A vigorous and rapid-growing climber, bearing large heart-shaped leaves and inconspicuous brownish colored flowers which resemble a pipe in shape. Will speedily cover a porch with its dense foliage. \$1.25 each, \$13.75 per doz.

Bignonia

Grandiflora. A fast-growing vine with large orange trumpets borne in profusion during summer. Succeeds most anywhere. \$1.50 each, \$16.50 per doz.

Celastrus scandens

Bittersweet or Waxwork

One of our native climbing plants with attractive light green foliage and yellow flowers during June, followed in the autumn by bright orange fruit. \$1 each, \$11 per doz., \$85 per 100.



Wisteria

The ideal conditions for Wisterias are a well-drained loam, sunshine and plenty of moisture while in flower, but, given all these, the plants often refuse to flower. Hard pruning is usually the answer. These are all strong, 2-year-old, grafted plants which more definitely assure flowering in from 2 to 3 years.

Sinensis (Chinese Wisteria). When established it grows 15 to 20 feet in a season. Pale blue. \$1 each, \$11 per doz., \$85 per 100.

Sinensis, White. A white-flowering form of the above. \$1 each, \$11 per doz., \$85 per 100.

Clematis

Plant them in rich soil, give them a trellis or fence on which to climb, and water them in dry weather.

Jackmani. A perfect mass of bloom when in full flower. Color dark, rich, royal purple. \$1.25 each, \$13.75 per doz.

Henryi. Pure white; large and remarkably handsome. \$1.25 each, \$13.75 per doz.

Paniculata (Virgin's Bower). The flowers appear in profusion during August, and continue until late in the fall, are white and deliciously fragrant. 75 cts. each, \$8.25 per doz., \$60 per 100.

Honeysuckle

Halliana (Hall's Oriental Honeysuckle). White flowers changing to yellow; very fragrant. 50 cts. each, \$5.50 per doz., \$42.50 per 100.

Scarlet Trumpet. This is the handsomest variety in cultivation. It produces inodorous flowers. 75 cts. each, \$8.25 per doz., \$60 per 100.

Pueraria Thunbergiana

Kudzu Vine

A hairy vine to 60 feet with fragrant purple flowers in late summer followed by hairy pods. 35 cts. each, \$3.85 per doz., \$30 per 100.

Polygonum Auberti

Silver Lace Vine

The plant is of strong, vigorous growth, attaining the height of 25 feet or more, and producing great foamy sprays of white flowers. \$1.25 each, \$13.75 per doz.

HEDGE PLANTS FOR HOME AND GARDEN ENCLOSURE



Berberis Thunbergi pluriflora erecta. *Truehedge Columberry.* Pat. 110. A new Barberry of upright growth with rich green foliage turning bronzy in autumn. Lovely scarlet berries. Needs little or no trimming. It grows erect—making the perfect hedge. Plant 15 inches apart. Hardy. 1½ to 2 ft. 40 cts. each, \$1.60, for 5, \$6.75 for 25, \$24 per 100.



California Privet (*Ligustrum ovalifolium*). This is the most popular of all hedge plants. Should be set 1 foot apart in double rows in zigzag fashion. This practically places them 6 inches apart, which is desirable to get quick, dense growth. Will stand any amount of pruning to keep in form desired. Extra-strong, 3-foot plants, \$3 for 25, \$10 per 100, \$90 per 1000.



Berberis Thunbergi. *Oriental Barberry.* Requires but little pruning to keep it in shape. The leaves are small, light green, and towards fall assume rich, brilliant colors, the fruit or berries becoming scarlet. Small spines deter trespassers breaking through. Extra-strong, 1½ to 2 ft., 4 to 6 branches, packed in bundles of 10 or 25 at \$3 for 10, \$6 for 25, \$20 per 100.

Hardy Flowering Shrubs

Purchaser pays transportation beyond 50 miles of New York. ALL SHRUBS OFFERED on this page are individually labeled and wrapped

ACER palmatum

Bloodleaf Maple. 10 ft. An attractive dwarf tree with profuse red foliage. Ideal specimen for planting in the lawn. 2 to 3 ft., B&B., \$5.50 each, \$60 per doz.

AZALEA

Amena. A compact plant. Foliage turns a bronzy tone in winter. Flowers are rosy purple. 18 to 24 in., B&B., \$2.50 each.

Amena coccinea. A new evergreen Azalea, with bright crimson or cherry-red flowers. 15 to 18 in., B&B., \$3.50 each; 18 to 24 in., B&B., \$4.50 each.

Hinodegiri. Brilliant crimson-scarlet, a clear, handsome shade that everybody likes. 10 to 12 in., B&B., \$1.75 each, \$19 per doz.; 12 to 15 in., B&B., \$2.50 each, \$27.50 per doz.

Kaempferi. We offer the oriental Azalea in three colors: Brick-Red, Pink, or Purple. 18 to 24 in., B&B., \$4 each.

Kaempferi Hybrids, Mixed. Includes the three colors previously named, but sold as mixture only. 18 to 24 in., B&B., \$3.50 each; 30 to 36 in., B&B., \$5 each.

Althea • Rose of Sharon

The Altheas are among the most valuable of our tall, hardy shrubs on account of their blooming from August to October. Height 10-12 ft. when mature. Plants offered are 3-4 ft.

Ardens. Unusual mottled violet-purple.

Boule de Feu. Deep fiery red blooms.

Celestis. Single; sky-blue.

Above, \$1 each, \$11 per doz.

Amygdalus • Flowering Almond

Fragrant flowers are borne on slender branches during May. 5 to 6 feet high.

Pink. Double-flowering; pink. 2 to 3 ft.

White. Double-flowering; white. 2 to 3 ft.

Above, \$1.25 each, \$13.75 per doz.



Tree Wisteria

Buddleia • Butterfly Bush

Charming. An outstanding novelty. Large lavender-pink flower trusses are produced abundantly throughout the summer. Grows 4 to 6 feet. 2-yr., field-grown dormant plants, at 50 cts. each, \$5.50 per doz.

Orchid Beauty. A splendid new variety of a soft cattleya-lilac color with a brilliant orange eye. 2-yr., field-grown dormant plants, 75 cts. each, \$8.25 per doz.

Purple Glory. A rich, dark purple. Free flowering. 2-yr., field-grown dormant plants, 75 cts. each, \$8.25 per doz.

Royal Red. A fine addition to this glorious family. 75 cts. each, \$8.25 per doz.

COLLECTION OFFER No. 95: One each of the above 4 Buddleias for \$2.25

Calycanthus • Sweet-Shrub

Florida. 5 to 6 ft. Chocolate-colored flowers of wonderful fragrance. An old favorite. 3 to 4 ft., \$1 each, \$11 per doz.

Cornus • Dogwood

Florida. 25 ft. Beautiful white flowers in early spring and brilliant red fruit in autumn. 4 to 5 ft., B&B., \$3 each, \$33 per doz.

Florida rubra. 20 ft. A light red form of the popular Dogwood. 4 to 5 ft., B&B., \$6.50 each, \$71.50 per doz.

Deutzia

Gracilis. A great favorite. Dwarf, covered with spikes of pure white flowers in early summer. 1½ to 2-foot plants.

Lemoinei. Lemoinei Deutzia. 5 ft. One of the earliest blooming varieties with large single flowers of snowy white. 2 to 3 ft.

Pride of Rochester. A fine, tall-growing, double, white-flowering variety. 9 to 10 feet high when mature. 4 to 5-foot plants.

Above, \$1 each, \$11 per doz.

Forsythia • Golden Bell

Decorative shrub with bright yellow flowers which burst into bloom at the beginning of spring while the bush is otherwise bare.

Intermedia spectabilis. 7 to 8 feet high when mature. 3 to 4-foot plants. \$1 each, \$11 per doz.

Hamamelis • Witch-Hazel

Virginiana. 15 ft. Small yellow flowers in late fall after the leaves have fallen. One of the few plants which bloom outside in winter. 2 to 3 ft. \$1.25 each, \$13.75 per doz.

Hydrangea

Paniculata grandiflora. The flowers, which are borne in dense, pyramidal panicles a foot long, are white when they first open but gradually change to rose color. 8 to 9 feet high when mature. 2 to 3-foot plants. \$1 each, \$11 per doz.

Kerria • Corchorus

Double. 4 to 5 ft. Rich golden flowers, like button chrysanthemums, in late spring, good for cutting. A deservedly popular shrub. 2 to 3 ft. \$1.25 each, \$13.75 per doz.

Laburnum • Golden Chain

Vossi. 15 ft. Tree-like, green-barked shrub with hanging clusters of golden yellow. Late spring. 4 to 5 ft., B&B., \$4 each, \$44 per doz.

Philadelphus • Mock Orange

This old-fashioned sweet-scented shrub has long been a close rival of the lilac in popularity.

Coronarius. This variety has large white flowers. 10 feet high when mature. 3 to 4-foot plants. \$1 each, \$11 per doz.

Virginal. 8 ft. Large, double flowers of haunting fragrance. June. 3 to 4 ft. \$1.25 each, \$13.75 per doz.

Pyrus (Cydonia)

Flowering Quince. A showy shrub that blooms profusely in early spring; flowers dazzling scarlet. 4 to 5 feet high. 2 to 3-foot plants. \$1 each, \$11 per doz.

New Hybrids of Pyrus Cathayensis

A new race of large-flowering varieties. One of the earliest shrubs to bloom. Fine for the border, hedge, or specimen planting.

Enchantress. Large shell-pink blooms.

Masterpiece. Cheerful rosy scarlet blooms.

Mount Everest. Open flowers of white tinted lavender.

Rosemary. Vivid deep rose.

All of the above plants, 3 to 4 ft., we offer in tubs at \$4 each, \$44 per doz.

Spiraea

Anthony Waterer. Color bright crimson. It is of dwarf, dense growth, and blooms in July and August. 3 feet high when mature. 1½ to 2-foot plants.

Van Houttei. Bridal Wreath. In May and June the white blooms almost entirely cover the foliage. 8 feet high when mature. 3 to 4-foot plants.

Above, \$1 each, \$11 per doz.

Viburnum

Burkwoodi. 5 to 6 ft. Large, round clusters of blush-white flowers. Deliciously fragrant. 1½ to 2 ft. \$3.50 each, \$38.50 per doz.

Carlesi. Fragrant Viburnum. 5 to 6 ft. Large, round clusters of fragrant waxy white flowers in early spring after leaves appear. 2 to 3 ft. \$3.50 each, \$38.50 per doz.

Plicatum. *V. tomentosum sterile*; Cranberry-bush or Snowball. 10 ft. Perfectly round balls of pure white in great profusion in May. 2 to 3 ft. \$1.25 each, \$13.75 per doz.

Hardy Flowering Shrubs

Purchaser pays transportation beyond 50 miles of New York.
ALL SHRUBS OFFERED on this page are individually labeled and wrapped.

Chinese Hybrid Chestnut

Castanea mollissima
Blight-resistant

Develops into a low, spreading tree which should begin to bear three years after planting. Nuts are of excellent roasting or stuffing quality, medium large and freely produced.

Blight-resistant Chinese Hybrid is the American scientist's answer to the Chestnut blight, which has killed nearly all our native Chestnuts in the northeastern United States.

Any good loamy soil will grow them, provided it drains well; avoid wet land. They are best planted in threes, neighbors cooperating by planting one or two, where necessary; this is to insure pollination, on which the formation of nuts depends.

Two-year saplings, 3 to 4 ft., \$2 each, \$5.75 for 3,
\$22 per doz.



Syringa • Lilac

Purple Lilac. Large showy panicles; fragrant.
White Lilac. Delicious perfume; pure white.

We offer the above two very popular varieties in 2 to 3-foot plants at \$1 each, \$11 per doz.

French Hybrids

SINGLE VARIETIES

Charles X. 10 ft. Single. A profuse bloomer, splendid for cutting. Flowers violet-red. 2 to 3 ft.

Ludwig Spaeth. 10 ft. Single flowers of dark crimson-purple; very fragrant. 2 to 3 ft.

Marie Legraye. 10 ft. Single flowers of pure creamy white. A profuse bloomer. 2 to 3 ft.

DOUBLE VARIETIES

Mme. Abel Chatenay. 10 ft. Large, double flowers of milk-white. A late variety. 2 to 3 ft.

President Grevy. 10 ft. Large, double flowers of soft blue. A splendid variety. 2 to 3 ft.

President Poincaré. 10 ft. Double flowers of red, purple, and blue tones; immense heads. 2 to 3 ft.

Above French Hybrids, \$1.50 each, \$16.50 per doz.

Tree Wisterias

Here is an excellent plant as a specimen for your lawn or garden. The plants we offer are on strong 4-foot standards with well-developed weeping heads bearing pendent skeins of pea-shaped flowers. We offer in tubs.

Blue. \$5 each.

White. \$6 each

Vitex • Chaste Tree

Macrophylla. 5 to 6 ft. Spikes of beautiful lavender-blue flowers in late summer, against the star-like gray-green leaves. 2 to 3 ft. \$1 each, \$11 per doz.

Weigela

These are among the most popular flowering shrubs, covered in May and early June by their large, trumpet-shaped flowers.

Bristol Ruby. (New.) Plant Patent No. 492. An attractive shrub with ruby-red blossoms on entire plant from June through July, and intermittently throughout the season. Six-foot time-formed shrub at maturity. 2 to 3 ft. \$1.25 each, \$13.75 per doz.

Eva Rathke. Blooms all summer. The flowers are rubycarmine. 5 feet high when mature. 2 to 3-foot plants. \$1 each, \$11 per doz.



Chinese Hybrid Chestnut tree in bearing three years after planting the sapling (at right). The nuts are shown above

Vegetable Plants

Grown in Our Own Greenhouses

We deliver within 50 miles of New York when order exceeds \$3.50; purchaser pays transportation to points beyond.

We make an additional charge of 50 cents for specially packing this fragile merchandise on orders for less than \$3.50.

POT-GROWN. For safe planting

EGGPLANT, Spineless. **PEPPER, Chinese Giant**
TOMATO, Crimson Cushion (Beefsteak), John Baer, Marglobe, Mingold
(Yellow), **Ponderosa, Stone.**

2 1/4-in. pots, 75 cts. per doz., \$5 per 100

TOMATO, Small-fruit varieties: King Humbert, Red Cherry, Currant, Pear,
Plum; Yellow Cherry, Pear, Plum; San Marzano (red).

2 1/4-in. pots, \$1 per doz., \$7.50 per 100

FLAT-GROWN. For economy

Broccoli **Cabbage** **Cauliflower** **Kohlrabi** **Parsley**
Brussels Sprouts **Cabbage, Red** **Celery** **Lettuce** **Romaine**

30 cts. per doz., \$2 per 100

SMALL FRUITS AND TREES FOR THE HOME GARDEN

Now More Than Ever We Should Grow Fruit. Rising Prices Make It a Good Investment

NOTHING FINER THAN FRESH FRUITS FROM YOUR OWN GARDEN

FRUIT TREES

STANDARD. 5 to 7 ft.

\$2 each, \$22.50 per doz., except where noted.

APPLES. Plant in rich soil. As soon as trees begin to bear fruit they should be sprayed every winter and spring.

Baldwin. (Late.) Deep red. All purpose. Delicious. (Late.) Dark red eating Apple of delightful flavor.

McIntosh. (Late.) Dark red, white-fleshed eating Apple. Extra quality.

Yellow Delicious. (Late.) Larger; golden yellow. **Hyslop.** (Crab.) Red and yellow striped. The best Crab-Apple.

PEACHES. Peaches thrive in light, well-drained soil. The trees will live in wet ground.

Belle of Georgia. (Late.) White freestone. Juicy and of fine flavor.

Elberta. (Midseason.) Yellow freestone. Attractive and excellent quality.

Hiley. (Early.) White freestone. Dependable all-purpose each.

J. H. Hale. (Midseason.) Yellow freestone. Large attractive fruit of extra quality.

CHERRIES. Plant 20 feet apart in good soil. Require little pruning and are easy to care for.

Black Tartarian. (Early; sweet.) Large black fruit of best quality. \$2.50 each, \$27.50 per doz.

Governor Wood. (Early; sweet.) Large yellow fruit with red cheek. \$2.50 each, \$27.50 per doz.

Improved Montmorency. (Midseason; sour.) Attractive red fruit with firm flesh. The best sour Cherry. \$2.50 each, \$27.50 per doz.

Sweet September. Pat. 94. (Late; sweet.) Fine quality dark red fruit ready to pick in early autumn. \$3.50 each, \$33 per doz.

Yellow Spanish. (Early; sweet.) Amber-yellow flushed red. Firm sweet flesh. \$2.50 each, \$27.50 per doz.

PEARS. Plant in good soil and give occasional cultivation. They require little attention.

Anjou. (Late fall.) Large yellow Pear blushed red. Richly flavored flesh.

Bartlett. (Late summer.) Large yellow fruit. **Seckel.** (Late summer.) Small brownish fruit.

PLUMS. Do well in any good soil but two or more should be planted to insure pollinization.

Abundance. Flesh light yellow, very sweet. **Burbank.** Large dark violet fruit.

Prune. Large dark blue fruit.

QUINCE. The trees are ornamental and thrive in ordinary garden soil.

Orange. Bright yellow fruit with tender flesh.

Dwarf Types

Dwarf trees bear earlier than standard trees and are easier to pick. Ideal for small grounds.

APPLES, McIntosh. 2 yr. Red. \$3 each, \$33 per doz.

Greening. 2 yr. Splendid good green cooking variety. \$3 each, \$33 per doz.

PEARS, Clapp Favorite. 2 yr. Mottled red. \$1.50 each, \$16.50 per doz.

Seckel. 2 yr. Russet. \$1.50 each, \$16.50 per doz.

ASPARAGUS. Plant 8 to 10 inches deep, 18 inches apart, in a heavily manured trench but do not allow roots to touch manure when planting.

Paradise. New. A heavy-bearing variety from young roots. Stalks large, very early and of a fine quality. \$5 per 100, \$40 per 1000.

Washington. Colossal dark green shoots tinted purple. Produces heavy cuttings.

2-yr. selected crowns, \$3.50 per 100, \$30 per 1000. Forcing clumps, \$6 per 100, \$50 per 1000.

Conover's Colossal. \$3 per 100, \$27.50 per 1000.

RHUBARB. Plant 3 feet apart in well-manured ground. Mulch with manure after ground freezes.

Victoria. A reliable and productive variety. Roots, 15 cts. each, \$1.65 per 100, \$12.50 per 1000. Extra-strong clumps, 25 cts. each, \$2.75 per doz. Forcing clumps, 50 cts. each, \$5.50 per doz.

McDonald. Canadian variety hardly even in Alaska. Deep crimson stalks of tender delicious flesh. Roots, 30 cts. each, \$3.25 per doz.

BERRIED FRUITS

GRAPES. Plant at least 6 feet apart in ordinary good soil and train on wire or other supports.

All Grapes. 2-yr. selected stock, 50 cts. each, \$5.50 per doz., except where noted.

Caco. (Red.) Large wine-red berries. Midseason. 75 cts. each, \$8 per doz.

Catawba. (Red.) Dark purplish red berries of extra quality. Late.

Concord. (Black.) The standard blue-black Grape. Midseason.

Niagara. (White.) The midseason greenish white Grape.

Portia. (White.) An early green-white Grape of highest quality.

Worden. (Black.) Large clusters of very sweet blue-black Grapes. Earlier than Concord.

RASPBERRIES. Good soil and regular cultivation pay in heavy crops. Plant 3 feet apart.

All Raspberries. 2-yr. transplanted stock, 20c. each, \$2.25 per doz., except where noted.

Bristol. (Black.) New; excellent quality. Early. Chief. (Red.) Midseason variety of heavy yield. Popular.

Cumberland. (Black.) Heavy bearer of delicious berries. Midseason.

Cuthbert. (Red.) A high producer of superior quality. Midseason.

Golden Queen. (Yellow.) Wonderful sweet golden berries. 25 cts. each, \$2.75 per doz.

Indian Summer, Everbearing. (Red.) A full crop in June and another in the fall.

St. Regis, Everbearing. (Red.) Crimson berries from early until late. Delicious.

Taylor. (Red.) Large attractive berries of excellent quality. Midseason. 25 cts. each, \$2.75 per doz.

BLACKBERRIES. Plant 3 feet apart in rows.

All Blackberries. 2-yr. plants, 20 cts. each, \$2.25 per doz., \$17.50 per 100

Blowers. Large glossy berries of fine quality.

Eldorado. Large black very sweet variety.

Mt. Pecono. Firm fruit of unusual quality.

BLUEBERRIES. Like moist, sour soil. To ordinary land add large quantities of peat and sand and do not allow to dry out. Plant 4 feet apart.

Burlington. The mammoth berries are shown in color on page 92. Newest and best variety. 12 to 18 in., \$3 each, \$33 per doz.

Concord. Grows 6 feet tall and bears heavy crops of large berries of best quality in July. 12 to 18 in., \$1.50 each, \$16.50 per doz.

18 to 24 in., \$2 each, \$22 per doz.

Rubel. Another 6-foot variety which ripens berries in July. Large fruit of fine color. 12 to 18 in., \$1.50 each, \$16.50 per doz.

18 to 24 in., \$2 each, \$22 per doz.

BOYSENBERRY. Treat like blackberries. Wine-colored berries larger than blackberries and with a distinct tangy flavor. Very few seeds. A quality berry. Strong canes, 30 cts. each, \$3.25 per doz.

CURRENTS. Plant in rows 6 feet apart and 4 feet between bushes in row.

2-yr. plants, 35 cts. each, \$3.75 per doz.

Fay's Prolific. Vigorous, productive bushes. Large clusters of dark red, juicy berries.

Pres. Wilder. Upright bush. Fine, large, bright red berries, firm and juicy.

GOOSEBERRIES. Plant as for currants. They need close pruning every year.

2-yr., 50 cts. each, \$5.50 per doz.

Downing. Prolific with large pale green berries.

Houghton. Medium-sized red berries.

Owing to quarantine regulations, we cannot ship currants or gooseberries outside New York State

BUSH CHERRIES. Rarely exceed 5 feet. Plant 5 feet apart.

Hansen. Clusters of dark red fruit next year; make delicious preserves. 65 cts. each, \$7.15 per doz.

Oka. Improved variety; larger darker purplish red berries. 75 cts. each, \$8.25 per doz.

STRAWBERRIES

Are Easily Grown

Early Varieties

Blakemoor. An extra-early variety with large fruit excellent for preserving. A U. S. Government variety.

Dorsett. A very vigorous-growing variety. Early. Bright red, cone-shaped berries.

Fairfax. Berry of exceptional firmness and high dessert quality. A prolific bearer.

Red Star. Large, solid berry, red clear through. Heavy producer. A U. S. Government variety.

Midseason and Late

Big Joe. Very productive with extremely large berries, and one of the best-flavored sorts. In size, firmness, yield and color, it leads. Midseason.

Catskill. Plants are large and healthy. Fruit extremely large, well colored. Midseason.

Chesapeake. Has a beautiful appearance. Extra large and even in shape. Late.

Premier. Produces an abundance of large, bright flame-colored berries.

Everbearing Varieties

Mastodon. Fruit is very large and produces berries from summer to late fall.

Progressive. Produces fruit all season. Berries of medium size and full flavored.

We can make delivery in April and May of strong pot-plants carried over in frames from plants potted in late fall. Will bear some fruit this season. We can also supply pot-plants from August to late fall.

Above, Potted Plants, \$2 per doz., \$10 per 100, \$80 per 1000

Alpine Strawberries

Plant in borders, rock-gardens, or beds and enjoy a crop of small, delicious berries all summer. In flavor they are similar to the Wild Strawberry.

Baron Solemacher. Red fruits. Sweet.

Potted Plants, April delivery, \$1.50 per doz., \$8 per 100

Multi-Kind Fruit Trees

Here is a space-saving novelty that is highly practical. To produce these trees, from three to five different varieties have been budded onto one stem.

Each tree is growing in a wood tub to insure that it reaches you in perfect condition, and to enable us to make delivery at any time of the year. You may keep it in its tub for two seasons to decorate your penthouse, roof-garden or porch, and at any time you may transfer it to your garden or plant it as a specimen on your lawn.

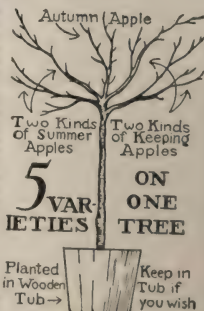
Quint-Apple. Five different kinds of apple, all on one tree.

Tri-Cherry. One sweet and two of sour cherry, all on one tree.

Any of above, in tubs, \$4 each, \$40 per doz.

COLLECTION MK: One each of above 3 Multi-Kind Trees (value \$12, \$15.50)

Trees are two years old, with a main stem $\frac{1}{2}$ inch to 1 inch in diameter and should bear fruit the second to fourth season after delivery. When mature and in full bearing in later years, one tree will occupy a circle 15 to 20 feet in diameter, but will give a varied assortment that otherwise could be obtained only from three to five trees.





RESIDENT WILDER CURRANT*
35 cts. each, \$3.75 per doz.
**Shipped to points within New York State only*



DOWNING GOOSEBERRY*
50 cts. each, \$5.50 per doz.



BLACK TARTARIAN CHERRY
\$2.50 each, \$27.50 per doz.



GOVERNOR WOOD CHERRY
\$2.50 each, \$27.50 per doz.
Two fine early sweet varieties



SECKEL PEAR
\$2 each, \$22.50 per doz.
Splendid late summer variety



BURBANK PLUM
\$2 each, \$22.50 per doz.



McINTOSH APPLE
\$2 each, \$22.50 per doz.
Delicious eating variety. (Late autumn.)



J. H. HALE PEACH
\$2 each, \$22.50 per doz.



VICTORIA RHUBARB
Roots, 15 cts. each, \$1.65 per doz.,
\$12.50 per 100



MARY WASHINGTON ASPARAGUS
Two-year selected crowns, \$3.50 per 100,
\$30 per 1000.

Delicious Fruits and Vegetables

Easily grown in your back yard

Plant them now to yield food that will be extra valuable in future years because it will be gathered ripe, garden-fresh, and therefore vitamin-full.

Select OTHER fine varieties from page 90

SMALL FRUITS for the Home Gardener



CUMBERLAND RASPBERRY



NEW GIANT BLUEBERRY

Burlington. The enormous juicy berries look like grapes, and have few seeds. Flavor is wonderful. We offer plants 1 to 1½ feet high, \$3 each, \$33 per doz.

OTHER GOOD SORTS

Concord. Upright grower with large berries.

Rubel. Tall bushes producing fruit of excellent quality.

1 to 1½ ft., \$1.50 each, \$16.50 per doz.

1½ to 2 ft., \$2 each, \$22 per doz.



PORTLAND GRAPE



CHIEF RASPBERRY



CONCORD GRAPE



ELDORADO BLACKBERRY



RASPBERRIES

Cumberland. Fine black-cap; delicious flavor.

Chief. An early red variety of proven merit.

2-yr. transplanted canes, 20 cts. each

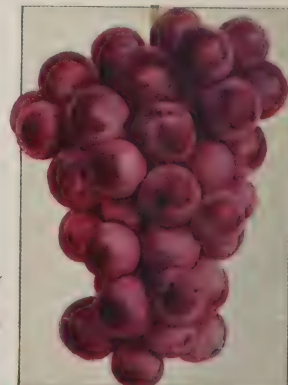
\$2.25 per doz., \$17.50 per 100

TWO FINE STRAWBERRIES

RED STAR. The best June-bearing variety.

MASTODON. The best everbearing sort.

Potted plants ready April -May, \$2 per doz., \$10 per 100, will bear a small crop first year. Also available after August in pots for fall planting and a good yield in 1944, same price.



CACO GRAPE

BOYSEN- BERRY

Large, juicy berries of unusual sweetness. For desserts, wines, jelly, jam or preserves.

30 cts. each,

\$3.25 per doz.,

\$22.50 per 100.



BLACKBERRIES

Blowers. Large, glossy fruit of fine quality.

Eldorado. Large, coal-black berries of melting sweetness.

Mt. Pocono. An outstanding variety.

20 cts. each, \$2.25 per doz.

\$17.50 per 100

IN ADDITION. You may select other delicious fruits from page 90.

GRAPES

Super 2-yr. Stock

Portland. A very early white Grape.

Concord. The standard blue-black.

Above two, 50 cts. each

\$5.50 per doz.

Caco. Fine bunches of wine-red berries of delicious sweetness. 75 cts. each, \$8 per doz.

UNUSUAL FOODS FROM OUR EPICURE FOOD MART TO MAKE DINING AND ENTERTAINING A PLEASURE

We have added to each of our up-to-the-minute shops, modern food departments where those who know and enjoy choice foods will find unusual, rare delicacies and specialties to please their sophisticated tastes

Hors-d'oeuvre and Cocktail Specialties

Spiced Artichoke Hearts. Tiny Artichokes in olive oil. For salads and hors-d'oeuvres plates.
4-oz. jars 50 cts., \$5.70 per doz.
14-oz. jars \$1.50, \$17.10 per doz.

Pitted Cocktail Cherries with Stems, Maraschino Flavor. Perfect for "Old Fashions."
9-oz. jars 35 cts., \$4 per doz.

Roasted Cocktail Beans. Salted soy beans. Delicious; novel.
3-oz. jars 20 cts., \$2.25 per doz.
8-oz. jars 35 cts., \$4 per doz.

Smoked Crabmeat. A new delicacy. Pacific Coast Crabmeat smoked over fragrant woods.
3½-oz. tins 50 cts., \$5.70 per doz.

Cocktail Mushrooms. Tiny pickled and spiced mushrooms. A conversation piece for your next party.
3½-oz. jars 50 cts., \$5.70 per doz.

Mushroom Canape Spread. A new blend of mushrooms, fish and spices.
1½-oz. jars 30 cts., \$3.45 per doz.

Rollod Anchovies. Serve them on toast. Marvelous for canapes or in salads.
12-oz. tins 35 cts., \$4 per doz.

Pitted Manzanilla Olives. For Martinis, or to stuff with cream cheese or caviar.
2½-oz. nets 35 cts., \$4 per doz.

Bijou Stuffed Manzanilla Olives. Stuffed with pimiento, onions, almonds and celery, in same bottle.
3½-oz. nets 45 cts., \$5.15 per doz.

Exquisite Pimiento Stuffed Queen Olives. The beautiful big ones.
9-oz. nets 70 cts., \$8 per doz.

Exquisite Bijou Stuffed Queen Olives. Large Queen olives stuffed with pimientos, almonds, onions, celery.
9-oz. nets 85 cts., \$9.70 per doz.

Exquisite Plain Queen Olives. The largest plain Queens from Spain. Listen to your guests "Oh" and "Ah."
21 ozs. net \$1.75, \$19.95 per doz.

Over-size Ripe Olives. Tremendous beauties.
1-lb. 2-oz. tins 80 cts., \$9.15 per doz.
8-oz. tins 45 cts., \$5.15 per doz.

Gargantuan Olives. Here is a surprise. Green Olives about the size of an elongated ping-pong ball.
9½-oz. jars \$1, \$11.40 per doz.

Sliced Smoked Oysters. A hit at any cocktail party.
12 to 14-in. tin 45 cts., \$5.15 per doz.

Smoked Oyster Spread. The same Smoked Oysters in a spread for canapes.
4-oz. tins 45 cts., \$5.15 per doz.

Pate de Foie Gras with Truffles. Liver, meat, spices and truffles to take the place of our old love from France.
4-oz. tins 35 cts., \$4 per doz.
7½-oz. tins \$1.25, \$14.25 per doz.

Orange Slices. For "Old Fashions" or garnishing.
12 ozs. 40 cts., \$4.55 per doz.

P. C. Anchovy Paste. Made only from imported Anchovies with a little salt added.
2-oz. glass jars 40 cts., \$4.55 per doz.

Cocktail Onions. For salads and drinks.
4-oz. jars 45 cts., \$5.15 per doz.

Kipperd Snacks. Smoked fillets of Herring. Delicious.
3¼-oz. tins 15 cts., \$1.70 per doz.

Smoked Turkey Pate. Fresh smoked meat in spread form.
4-oz. jars 65 cts., \$7.40 per doz.

Smoked Turkey Foie Gras. Smoked turkey livers and spices.
4-oz. jars 65 cts., \$7.40 per doz.

Smoked Turkey Slices. New. Keep several jars on your pantry shelf, and enjoy this delicacy often.
½-lb. jars \$1.25, \$14.25 per doz.

Virginia Ham Spread. The delectable tang and rare savory flavor now captured in this spread made entirely from finest oven-baked Virginia Ham.
3-oz. jars 45 cts., \$5.15 per doz.

Cheese and Cheese-Spreads

Old Londonderry Cheese. Embodies the fine qualities which have made Vermont country Cheese famous for generations. To reach this perfection in flavor and texture, the finest and purest of whole milk, the work of skilled Cheese-makers and months of patient curing have been employed.

Mild, Medium, or Sharp. Please say which you prefer.
2-lb. pkg. \$1.75, 5-lb. pkg. \$3.75

Old Londonderry Cheese-Spreads. Cheddars of delectable flavor. The above fine aged Cheeses in a variety of delectable spreads. These Cheddars-in-Wine are offered in the following tins, packed 14 ounces to an earthenware crock, ready to serve. **Sherry Wine, Port Wine, Brandy, Sharp Cheddar, Smoked Cheddar Spreads.**
Each \$1.75

Soups

Onion Soup A La Bretonne. The gourmet's delight, served with grated cheese and toast.

Vichyssoise. The true potato soup of France with all its romance.

Malakoff. A Russian soup of tomato, chicken and spinach.

Creamed Chicken and Carrot. Another soup that is different and tasty.

All above Soups in 18-oz. glass jars, 40 cts. each, \$4.55 per doz.

Black Bean Soup and Sherry. Marvelous flavor and highly nutritious.
16 ozs. 20 cts., \$2.25 per doz.
20 ozs. 35 cts., \$4 per doz.

Turtle Consomme. Fine clear soup with just the right tang. 13 ozs. 35 cts., \$4 per doz.

Green Turtle Soup. Thick soup, pure and of high quality. 20 ozs. \$1, \$11.40 per doz.

The two soups below are packed by Fortnum and Mason of London.

Kangaroo-Tail Soup. Clear soup with segments of kangaroo tail and meat.

Shark's-Fin Soup. Clear soup containing fragments of the tip of the dorsal fin.

Either of the above, 20-oz. jars \$4

Creole Foods

Made in Old New Orleans from 200-year back recipes:

Red Snapper Bouillon. The concentrated broth of red snapper.

Creole Oyster Soup. Made with Bayou oysters, vegetables and spices.

Jambalaya. Rice with shrimp, Bayou oysters, vegetables and spices. Serve with the other Creole foods.

Any of the above, 10-oz. tins 20 cts., \$2.25 per doz.



Seafoods

Noodles Marengo. Noodles with crabmeat, cheese and a tomato sauce.
15 ozs. net 65 cts., \$7.40 per doz.

La Playa California Sardines. Prepared the Portuguese way; slightly broiled in high quality peanut oil before being packed in tins. Delicious.
3¼-oz. tins 30 cts., \$3.45 per doz.

Portuguese Boneless Sardines. Packed in pure olive oil, well matured and seasoned.
Cans 75 cts., \$8.55 per doz.

Fancy White Tuna Fish. Fancy, solid white meat from the Albacore Tuna. Supply limited.
Cans 75 cts., \$8.55 per doz.

Shad Roe. Two perfect large roes. Fine zest and flavor.
½-lb. cans 90 cts., \$10.25 per doz.

Fish and Fowl

Half Chicken in Broth. Just heat and serve. Can be used in many dishes.
1-lb. 2-oz. jar \$1.75, \$19.95 per doz.

Half Chicken in Mushroom Sauce. With wine and brandy. 14-oz. tins \$1.25, \$14.25 per doz.

Chicken Meat in Mushroom Sauce with Madeira Wine. For that luncheon date snack.
14-oz. jars \$1.40, \$15.95 per doz.

Chicken Meat Creole. The old French recipe to be served on rice or toast.
14-oz. jars \$1.40, \$15.95 per doz.

Boned Turkey Meat in Broth. For an unusual meal with but a few minutes to prepare it in. Excellent.
7½-oz. jars \$1.35, \$15.40 per doz.

Lobster Meat. The meat from one-half lobster ready to serve. 6-oz. tins 75 cts., \$8.55 per doz.

Lobster a La Newburg with Sherry. Really a delectable sauce with plenty of lobster.
14½-oz. jars \$1.75, \$19.95 per doz.

Sauces, Relishes and Dressings

Plantation Circles. Transparent, decorative watermelon-rind circles, spiced to perfection.
12½ ozs. 40 cts., \$4.55 per doz.

Delicious Spiced Watermelon Rind.
5 ozs. 20 cts., \$2.25 per doz.

Watermelon Rind Spiced. A special packed Rind from New Hampshire and a favorite at St. Paul's School. 2-lb. jars \$1.45, \$16.50 per doz.

Deli Fruitard. A medley of fine glace watermelon rind, pineapple chunks, kumquats, cherries, melon, pears, apricots, in a tasty mustard sauce.
12-oz. jars 90 cts., \$10.25 per doz.

Deli Chow-Chow. A collection of garden-fresh vegetables—cucumbers, cauliflower, green peppers, small white onions, small green tomatoes, all specially prepared in mustard sauce.
10-oz. jars 90 cts., \$10.25 per doz.

Deli Mustard Mayonnaise. A different Mayonnaise that gives your salads, sandwiches, cocktail spreads, cold meats and fish, an unusual touch.
10-oz. jars 80 cts., \$9.15 per doz.

French Dressing with Chutney. Fruits and spices in fine French dressing.
8-oz. bottles 30 cts., \$3.45 per doz.

Chutnut. A Colonial Chutney Condiment. Delicious with roasts, fowls, curries, sandwiches.
10 ozs. 50 cts., \$5.70 per doz.

Burr Gherkins. Here is a spicy (very small) Gherkin.
8-oz. jars 40 cts., \$4.55 per doz.

Baby Watermelon Spiced. These are whole baby Watermelons about the size of a marble.
9-oz. jars 60 cts., \$6.85 per doz.

Au Gourmet Olive Oil

The finest quality French Olive Oil packed in tins and, of course, scarce. ¼ gal. \$3, ½ gal. \$9.75

Herbs, Spices, Vinegars

HERBS AND SPICES IN FANCY BOXES
Box No. 30. Contains 6 jars—one each of Smoked Hickory Salt, Onion Salt, Cut Bay Leaves, Rosemary, Cloves, Curry Powder. 85 cts.
Box No. 40. Contains 4 jars—one each of Smoked Hickory Salt, Marjoram, Ginger Spice, Poultry Seasoning. 60 cts.
Box No. 2H. Eight 4½-ounce bottles by volume and 2 to 3 ounces by weight: Basil, Mint, Sage, Tarragon, Marjoram, Rosemary, Savoury and Black Thyme. Price \$3.75. Packed in an attractive box for pantry use. Chart showing use of Herbs for Cooking included in each Collection.

VINEGARS AND HERBS FOR SALADS
 Fragrant and flourishing fresh leaves of—
Tarragon, Chervil, or Dill. Preserved in distilled white vinegar.
 Glass jars, 12 oz. net, any of the 3 types, 80 cts., \$9.15 per doz.
Flavored Vinegars: Salad Bouquet, Tarragon, Basil, Mint and Garlic.
 Flasks, 6 fluid ozs., any of the 5 types, 60 cts., \$6.85 per doz.

Sauterne Wine Vinegar. Made from grapes, with the full bouquet of the wine. Strong enough to dilute with 2 parts water. Makes salad dressing taste better.
 16-oz. bottles 35 cts., \$4 per doz.



Vinegar Chest for Salad Fans. Made up of 13-oz. bottles each of Red Wine, Sauterne, Herb and Tarragon Vinegars. Box \$2.
Dressing for Salad Greens. A piquant combination of Tarragon vinegar, virgin olive oil, spices and fresh herbs.
 Flasks, 6 fluid ozs., 80 cts., \$9.15 per doz.
Salad Herbs. Sprinkle the contents in a bowl of mixed greens for a wonderful salad.
 Large jar, 1 oz. net, 55 cts., \$6.30 per doz.
Herbed Gravy Maker. A mouth-watering blend to flavor and thicken gravies, soups and sauces.
 Jars (7 oz.) 40 cts., \$4.55 per doz.

SUPERLATIVE HERB SEASONING

With these, food may be prepared with the subtlety of a fine art.
 Salad Herbs Tomato Bouquet Herbs
 Soup Herbs Savory Gravy Herbs
 Omelet Herbs Seasoning for Fish
 Poultry Herbs Consomme Bouquet Herbs
 Bouquet Creole Mint for Lamb
 Onion Seasoning Garlic Seasoning
 Glass jars, 1½ oz. net, with directions, 35 cts., \$4 per doz.

Sweet Crackers

Afternoon Tea Biscuits. An assortment of Biscuits providing splendid variety with exquisite goodness. 15-oz. flat tins \$1, \$11.40 per doz.
Lenell's Butter Cookies. These have a delicious, rich, melting flavor.
 2½-lb. boxes \$1.75, \$19.95 per doz.
Napoleon Rum Cake. This is the most famous of all the original Charlotte Charles recipes. The flavor is one of the most distinctive and delicious you have ever enjoyed and is ideal when served as a light dessert. There are about 20 cakes in each 12-oz. tin. 12-oz. tins \$1.75, \$19.95 per doz.

Cocktail Crackers

Beaten Biscuits. Make unusual and tempting hors-d'oeuvres with cold meats and salads. Delicious. Boxes of 12, 25 cts., \$2.85 per doz.
Burry's Sniffies. Spicy cocktail biscuits to be served plain with drinks. Unusual.
 14-oz. jars 75 cts., \$8.85 per doz.
Celery Waffles. Toast-crackers with a delicious celery flavor. 4-oz. boxes 40 cts., \$4.55 per doz.
Mello-Melba Cheese Sandwiches. Fine aged cheese between golden melba toast. Delicious.
 4½-oz. boxes 45 cts., \$5.15 per doz.
Cheddar-Filled Cigarettes. Crackers in the shape of cigarettes, filled with blends of Cheese. Assorted colors. Boxes 45 cts., \$5.15 per doz.
De Luxe Assortment of canape wafers. Ideal for the smart hostess. Box contains 80 servings.
 Boxes 60 cts., \$6.85 per doz.
Miniature Puddings. An assortment of various size crackers, cheese tidbits, nuts, etc. Something different.
 Boxes 40 cts., \$4.55 per doz.
Tiny Toast Shells. Fill with hors-d'oeuvres. Specially delicious if small meat-balls are used.
 Boxes 35 cts., \$4 per doz.

Delicacies, Sweetmeats and Nuts

Nesselro. Imported marrons, fruits, with rum punch, for ice-cream, frozen puddings, desserts. 2½ ozs. 90 cts., \$10.25 per doz.
Marrons. Vanilla flavor chestnuts, in syrup, for ice cream and desserts. 9 ozs. 80 cts., \$9.15 per doz.
Marrons Glaces. Delicious vanilla flavor, preserved and candied. Imported.
 13 ozs. \$1.80, \$20.55 per doz.
La Petite Babas (with Rum). For the dessert that's different.
 16 to the 14-oz. tin \$1.10, \$12.55 per doz.
Crepes Suzette. Just heat; ready to serve, brandy and all. 6 portions in 1-lb. tin \$2.25
Empress Eugenie's French Sherry Praline Candy. This is the original French Sherry Praline which was the favorite candy at the court of Empress Eugenie. Entirely different from the large patty-like Pralines associated with New Orleans. One bite and you will appreciate the romance of this famous candy.
 8-oz. gold tins \$1, \$11.40 per doz.
Maine Mince-meat. Thoroughly cooked before canning—lean beef, molasses, apples, spices, currants, raisins, moistened with cider.
 1-lb. 2-oz. tins 45 cts., \$5.15 per doz.
Texas Figs in Syrup. Ripe Figs in their own syrup. Fine for breakfast or desserts.
 30-oz. jars \$1, \$11.40 per doz.
Jumbo Imperial Figs. In Brandy, Orange and Spices.
 1-lb. jars \$1.35, \$15.49 per doz.
Coffee Bean Taffy. Made of coffee, sugar, cream and butter. A pure taffy in small pellets shaped like the bean. Individually wrapped.
 1-lb. boxes, \$1.50, \$17.10 per doz.

Fruits and Vegetables

Spiced Apricots. Large, sun-ripened fruit in syrup, piquantly spiced.
Spiced Peaches. Selected extra-special fruit in syrup, vinegar and spices.
Spiced Pears. Perfect gems. Spiced to a nicety.
 Any of the above 3 fruits, 20-oz. jars 85 cts., \$9.70 per doz.
Fresh Peaches. Luscious glowing fruit in syrup.
Fresh Pears. Whole Bartlett's; lovely shimmery beauties in cane syrup.
 Either above, 20 ozs. 80 cts., \$9.15 per doz.
Branded Apricots. A fine fruit preserved in fine liqueur.
Branded Peaches. Georgia Yellow Freestones preserved in brandy and pure cane syrup.
Branded Pears. A delightful fruit in a superb brandy and cane-sugar syrup.
 Above 3 each, 20-oz. jars \$1.25, \$14.25 per doz.
Pitted Black Cherries in Brandy Liqueur. Superb over ice cream and as dessert. 20 ozs. \$1.40
Hearts of Palms. The inside of the palm tree. A rare Brazilian salad. 14-oz. tins 60 cts., \$8 per doz.
Artichoke Bottoms. Splendid for salads and dishes unusual.
 8½-oz. jar, 10-12 pieces, \$1, \$11.40 per doz.
Celery Knobs. The "eye" of the Celery stem in which the flavor is concentrated; crisp and delicious.
 16-oz. tins 95 cts., \$10.80 per doz.

Honey, the Nectar of the Gods

Our Honeys are unadulterated, and packed in their natural state. All are of different consistencies and some crystallize in a short time; this does not impair the quality or taste, and if you prefer them clear, place the jar in hot water until the honey dissolves; it will not again crystallize.
California Cactus Honey. Cactus Honey is a rarity, as collecting in the cactus country is very difficult. 12-oz. jars 60 cts., \$6.85 per doz.
California Wild Flower Honey. From the fertile valleys of California comes this Honey, yielded from the native flowers that grow in such profusion. 12-oz. jars 60 cts., \$6.85 per doz.
Colorado Purple Lupine Honey. In Colorado, the purple lupine is a good Honey plant. 12-oz. jars 45 cts., \$5.15 per doz.
Maryland Tulip Honey. From the handsome tulip tree comes this splendid Honey. 12-oz. jars 50 cts., \$5.70 per doz.
Missouri Spanish Needles Honey. A very thick Honey, golden in color and of excellent flavor. 12-oz. jars 45 cts., \$5.15 per doz.
New York Locust Honey. A light-colored, delicately flavored Honey. 12-oz. jars 60 cts., \$6.85 per doz.
New York Thyme Honey. In Greece, thyme has produced, for centuries, the far-famed Mount Hymettus Honey. In this country thousands of acres in the Catskill Mountains are covered by wild thyme and yield an abundance. 12-oz. jars 70 cts., \$8 per doz.
Spikeweed Honey. Fresno County, California, produces quantities of this amber-colored Honey. 12-oz. jars 40 cts., \$4.55 per doz.
Virginia Apple-blossom Honey. In favorable weather the bees swarm over the apple blossoms. 12-oz. jars 60 cts., \$6.85 per doz.

Imported Honey

Argentine Fruit Honey. From the Province of Mendoza, in Argentina, comes this Honey derived almost exclusively from fruit-tree blossoms. 12-oz. jars 60 cts., \$6.85 per doz.
Coffee Plantation Honey. This Honey is gathered on the rugged Guatemalan plateau. 12-oz. jars 40 cts., \$4.55 per doz.
Cuban Wild Flower Honey. Yielded by the campanilla, and other wild flowers of Cuba. 12-oz. jars 50 cts., \$5.70 per doz.
Honey Spread. Honey whipped so it can be used as a butter. 12-oz. jars 35 cts., \$4 per doz.

Popular Honey

Buckwheat Honey. Dark purplish in color and looks much like old New Orleans molasses. Unusually heavy. 12-oz. jars 50 cts., 5-lb. glass jars \$1.75
Clover Honey. Our most common source of Honey in this country. 12-oz. jars 50 cts., 5-lb. glass jars \$2
Orange Blossom Honey. Orange blossom Honey is light-colored, has the fragrance of the bloom and a most pleasant flavor. 12-oz. jars 50 cts., 5-lb. glass jars \$2.25



HONEY TASTER PACKAGE

The bee produces, the world over, many unusual Honeys. Conditions today do not allow the import of these delicacies, but in the United States, Honeys from the many sections of the country are available those who want the unusual. In the Nectar Honey Taster Package, each of the six Honeys is packed in individual 2-oz. glass jars, enough for the whole family to enjoy and make a selection for their own taste. \$1.50 each.

EPICURES! If you are interested in UNUSUAL FOODS

let us put your name on our mailing list for the Special Offers which we publish from time to time

Teas

Blended for us

By F. R. Garrettson & Co.

- Stumpp & Walter No. 5.** Rare Tea buds from India which produce a full-bodied, fragrant and rich Tea. Fully fermented, it makes Tea of glowing color, and . . . a cup that cheers with the first sip. A Tea-drinker's delight. $\frac{1}{4}$ lb. 65 cts.
- Chung Wa.** A fine China Tea that is not so smoky as Lapsang. $\frac{1}{4}$ lb. 65 cts.
- Tea-Rose.** Has the odor of a Tea rose just opening its heart to the sun. Garden-grown Formosa Oolong. Sold out.
- Assam.** A fine Indian Tea that is heavier than our No. 5. $\frac{1}{4}$ lb. 65 cts.

Maharajah Tea. *Than this there is no finer.* Those who have been in India will appreciate this Tea. Exceptional flavor—so rich and fragrant that less than half the usual amount is required. $\frac{1}{4}$ lb. \$1.50.

Boston Mint Tea. In Tea-bags. A superior blend of Orange-Pekoe, with a subtle flavoring of Mint. Box containing 20 bags, 40 cts., 2 boxes 75 cts.



THE TEA TASTER PACKAGE, \$1.25

Perhaps you would like to sample the great Teas of the world. We offer the Tea Taster Package with its 8 exquisite Teas, every one perfect in its particular blend.

Each of the Teas is in a separate packet, and the taster contains enough for over 100 cups.



Twin Tea and Hot Water Pot

The Hall China Tea Master is an ingenious Twin-compartment Teapot, from which you may serve tea any strength desired.

Tea is poured from one spout and hot water from the other spout, thereby serving tea to your taste.

Tea Masters come in four beautiful pastel shades: Cream Ivory, Burgundy, Marine Blue, and Turquoise. \$2.50

Combination Offer:

Hall China Teapot (\$2.50) with the Tea Taster Package (\$1.25)
The two for \$3.50



Chemex Coffeemaker

Just the thing for rationed Coffee, because it uses less than most, and it makes from but one to as many as ten cups.

One piece, made of flame-proof glass with a wood handle. Coffee is placed in filter-paper, and boiling water is poured on. Grounds are removed with the filter paper, leaving perfect, full-flavored, filtered Coffee. The Coffeemaker is cleaned as easily as a cup. Complete with 100 Filter Papers \$6.50. Extra Filter Papers \$1.50 per 100.

This Section of Our Catalogue
is printed around December 20, and the foods described are those available on that date.

We offer these foods subject to our having the merchandise in stock at the time you order and to its sale being unaffected by wartime rulings.

Maple Syrup and Maple Spreads

The following two items will be available only after April 15, when new crop Syrup will be ready. We suggest that you order in advance.

Old Londonderry Maple Syrup. Sealed in charming earthenware jugs, carefully packed to reach you safe and sound. This product will heighten your understanding of what Maple Syrup can be on pancakes, waffles, muffins.
1-pt. jugs \$1.25, 1-qt. jugs \$2.25,
 $\frac{1}{2}$ -gal. tins \$3, 1-gal. tins \$5.

Filmore Farm Maple Cream Spread. Delicious! Here is true Maple flavor in a creamy spread for bread, hot biscuits, or icing for cakes.
13-oz. jars 75 cts., \$8.55 per doz.

Preserves, Marmalades, Jellies

Pure Preserves. Chock-full of pure fruit and carefully made in the old-fashioned way.

Bitter Seville Orange Marmalade	Apricot
Cherry and Orange Marmalade	Peach
Tangerine Marmalade	Pineapple
Damson Plum	
Whole Red Cherry	
1-lb. jars 30 cts., \$3.45 per doz.	

Strawberry or Raspberry. 35 cts., \$4 per doz.

Gooseberry, Seedless Black Raspberry, or Blueberry
1-lb. jars 40 cts., \$4.55 per doz.

Pure Fruit Jellies.	Concord Grape
Mint	Red Currant
Crabapple	
Quince	
7-oz. tumblers 20 cts., \$2.25 per doz.	

Beverages

TUXEDO COFFEE

Among the world's best

The judgment of diplomats, governors, social leaders, as well as three presidents of the White House make this brand the aristocrat among Coffees—there is nothing finer to be had. Ground for drip or percolator. 1 lb. 60 cts.

Bring your Ration Card to our store when purchasing Coffee.

Or mail it with your order; we will return it with the Coupon removed.

Garrettson's Sunray. *Vitamins you can drink.*

Because the refined and processed foods of the average person's diet are de-vitalized and lacking their original vitamin content, we must get our necessary vitamins from other sources. Sunray is concentrated dextrose and vitamins in a powder form that can be easily made into a really delicious chocolate drink, simply by stirring two tablespoonfuls of Sunray into a cup of milk. One ounce of Sunray dextrose and vitamins contain:

1000 units Vitamin A	100 units Vitamin B ₁
150 units Vitamin B	50 units Vitamin C
2000 units Vitamin D	

20-oz. glass jars \$1.50, \$17.50 per doz.

Van Houten's Cocoa. Highest quality and finest grind.
 $\frac{1}{2}$ lb. tins 45 cts., \$5.15 per doz.



Hotcan Foods

Ideal for Air-Raid shelters, midnight snacks, hot-weather meals, picnics, and any emergency. All you need is a can-opener and you will have piping hot Coffee, Cocoa, Beans or Spaghetti—anywhere, anytime, without fire! Turn Hotcan upside down, punch four holes, and instantly it turns to heat. At the end of fifteen minutes turn Hotcan right-side-up and open can according to directions.

Hotcan Coffee. Delicious, full-bodied (serves 5).
60 cts. each, \$6.50 per doz.

Hotcan Cocoa. Gives 4 to 5 delicious cups.
75 cts. each, \$7.50 per doz.

Hotcan Spaghetti. With a piquant cheese sauce (serves 4).
60 cts. each, \$6.50 per doz.

Hotcan Beans, with pork and Tomato Sauce (1 lb. 6 ozs.)
60 cts. each, \$6.50 per doz.
Special Can-Opener for Less than Dozen Can Orders 10 cts. each.

NEW YORK CITY

We deliver Epicure Foods within 50 miles of New York when order exceeds \$3.50; purchaser pays transportation to points beyond. We make a nominal charge for specially packing fragile merchandise

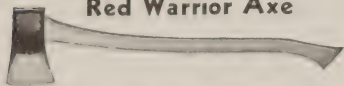
Foods 95

Aprons, Barrows, Flower Boxes, Baskets, Spreaders, Etc.

Aprons, Garden

Blue Denim. With Bib. \$2.50.
Duck. With Bib. \$3.50.

Red Warrior Axe



Full ground, full polished, made of fine quality hardened steel. Will stand up under hard usage. Handle 32 inch. Weight $3\frac{1}{2}$ lbs. Head 8 in. long, $3\frac{3}{4}$ in. wide. \$3.

Boxes for Cut-Flowers

Cardboard, Flower. Ivy green; lock corners.
Doz. 100
24 x 8 x 5 in. deep. \$3 75 \$22 00
28 x 8 x 5 in. deep. 4 50 27 00
36 x 10 x 6 in. deep. 7 00 45 00
Corrugated Cardboard. Very heavy and durable; extensively used by florists for shipping cut-flowers.
Doz. 100
28 x 8 x 5 in. deep. \$4 50 \$27 00
30 x 12 x 6 in. deep. 6 50 38 00
36 x 12 x 6 in. deep. 8 00 48 00
48 x 14 x 8 in. deep. 10 00 60 00

Sawco Garden Barrow



Constructed of selected, clear-grained hard wood and finished in the natural wood, varnished, light and substantial for long service.

	Front Width	SIZE OF BOX		Rear Width	Tread
		Depth	Length		
No. 2	15 $\frac{1}{2}$ in.	9 in.	21 in.	18 in.	1 $\frac{1}{2}$ in.
No. 4	18 $\frac{1}{2}$ in.	12 in.	26 $\frac{1}{2}$ in.	23 in.	3 in.
No. 5	20 in.	12 in.	28 in.	24 in.	3 in.

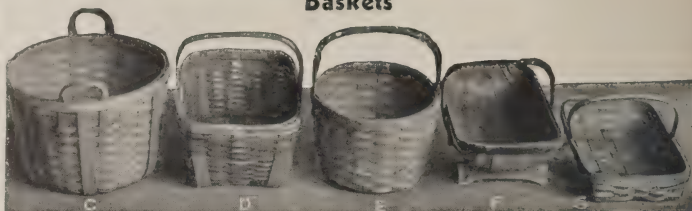
With Steel Wheel: No. 2, \$8.50; No. 4, \$10.50; No. 5, \$11.50.

Roll-A-Way Cart



A very handy all-purpose Cart for use in the garden for carting soil, cleaning up refuse and many other uses.
Entirely made of 1-inch lumber. Corner irons prevent breakage. Body size, 30 $\frac{1}{2}$ in. long; 20 in. wide; 12 $\frac{1}{2}$ in. deep. Carrying capacity, 3 cu. ft. \$8.50.

Baskets



C. General-Purpose Basket

1-bus. size. . . . \$2 50 | 3-bus. size. . . \$5 00
2-bus. size. . . . 3 50

D. Gardeners' Baskets

20 $\frac{1}{2}$ x 13 $\frac{1}{2}$ x 7 in. deep \$3 00
24 x 15 $\frac{1}{2}$ x 9 in. deep 3 75

E. Picking Basket

$\frac{1}{4}$ -bus. size. . . \$2 00 | $\frac{1}{2}$ -bus. size. . . \$2 50

F. English Garden Baskets

16 x 8 x 4 $\frac{1}{2}$ in. \$3 50
20 x 10 x 4 $\frac{1}{2}$ in. 4 00

G. Flower and Fruit Baskets

13 x 13 x 3 $\frac{1}{2}$ in. deep \$1 50
20 x 12 x 3 $\frac{1}{2}$ in. deep 1 75
22 x 14 x 3 $\frac{1}{2}$ in. deep 2 00

Fruit Baskets

(Not Illustrated) 100 1000
Strawberry. 1-qt. size. . . \$3 50 \$17 50
Peach. 2-qt. size. 4 50 22 50

Bulb Planter



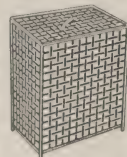
The tapered cup removes soil and makes a perfect planting-hole in one operation. Junior, 60 cts. each; Senior, long handle; stooping unnecessary (not illustrated), \$4.50.

Sawco Flame Gun

For burning weeds, disinfecting poultry houses, thawing frozen pipes, melting ice and snow, splitting large rocks and boulders, burning tree stumps, sterilizing infected soil, destroying weeds in stone walls, driveways, tennis courts, destroying insect pests such as grasshoppers, locusts, caterpillars, chinch bugs, etc. \$23.50.



Hercules Incinerator



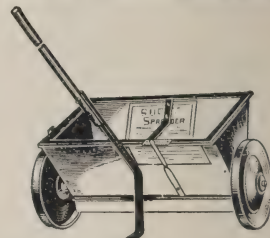
Made of 1-inch flat band spring steel, interwoven, insuring a very durable and maximum strength Incinerator. 24 in. square, 36 in. high, with removable cover. Ideal for burning garden refuse and rubbish that accumulates in the garden or home. Weight 54 lbs. \$19.50.

Sawco Stump Incinerator

A well-made cement composition Incinerator for the home, country, or estate. Height 36 inches, diameter 18 inches. Strong steel grate. Side opening at bottom for draft and to easily remove ashes. Rustic bark finish. \$18.50.



Sawco 16-in. Spreader



For the small lawn owner this machine is very handy and economical. It has many uses: fertilizing, seeding, top-dressing. Also invaluable for spreading salt, sand and ashes on icy sidewalks and street crossings to avert accidents. Avoids the messiness, drudgery, waste and uncertainty of hand-spreading. This sturdy model has a spreading width of 18 in.; hopper capacity of 22 lbs.; wheel diameter 8 in.; feed adjustment handle. \$3.75.

Planter's Perfect Distributor



Distributes fertilizers, grass seed, and top-dressing. It has a positive shut-off control and adjusting device right on the handle to regulate the desired quantity to be sown. 24-in. width. Junior. Holds 65 lbs. \$18 50
36-in. width. Senior. Holds 100 lbs. 26 50

Preserve Your GARDEN TOOLS for the Duration

by Using SAWCO Rustproof Compound
A 5-lb. Can for \$2

Dibbles or Dibbers



Just the tool for transplanting tomatoes, cabbage, celery, etc.

Brass Point, Wood Handle. The best Dibber. Self-cleaning; does not rust. \$1.50.
Steel Point, Wood Handle. Regular size, 9 3/4 in., \$1.
All Aluminum. 8 inch. \$1.50.

Planet Jr. Revolving Disc Edger



Trims accurately and quickly. \$1.50.

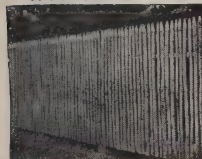
Turf Edgers



Half-Moon

Half-Moon Edging Knife. Solid steel, with a polished handle. \$1.35.

Warren-Church Cedar Fence



Made of split cedar poles spaced 3/4 inch apart. Furnished in rolls 16 ft. long. Gates to match.

Per lineal ft.	3 3/4 ft. wide Walk-Gates	10 ft. wide Double-Driveway Gates
3 ft. high.. \$0 85	\$9 75	\$24 00
4 ft. high.. 90	11 50	26 50
5 ft. high.. 1 10	13 50	30 00
6 ft. high.. 1 35	15 00	32 50

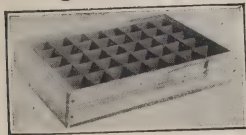
Dubois Woven Wood Fence



Dubois Woven Wood Fence in a city penthouse garden

Plain	With Posts and Rails	Per lineal ft.
3 ft., 10 in. high.....	\$1 50	\$1 75
4 ft., 11 in. high.....	1 85	2 15
6 ft., 6 in. high.....	2 15	2 50
8 ft. high.....	2 75	3 25
3 ft. wide Walk-Gates	10 ft. wide Drive-Gates	
3 ft., 10 in. high.....	\$19 25	\$38 50
4 ft., 11 in. high.....	21 00	41 25
6 ft., 6 in. high.....	23 25	44 00

Garden Flats



Sawco Plant Flats. Made of selectypress. Set-up. Size 12 x 18 x 3 in. deep. 45 cts. each, \$4.95 per doz. Complete with 40 2-inch-square paper pots. 85 cts. each, \$9.35 per doz.

FORKS



Spading Fork

Spading Forks. Best grade; tines spear-pointed with diamond-shaped back; handle strapped both sides. Each

4-time, D-Handle.....	\$2 50
5-time, D-Handle.....	3 25
Manure Forks. Best grade; oval tines.	
4-time, D-Handle.....	2 50
5-time, D-Handle.....	2 75
6-time, D-Handle.....	3 25
Long-Handle Forks, same price.	

English Type Digging Forks.

4-time, D-Handle.....	3 50
Hay Forks. 3-time, Long Handle.....	2 00
Boys' Spading Forks.	1 50

Gem Hand Fork



Has three steel prongs and finished handle. A handy Fork for loosening the soil, etc. 50 cts.; with 4-ft. handle, \$1.50.

Glazing Materials

Cel-O-Glass. Durable, flexible, and light in weight. Will not crack or break like glass. Transmits ultra-violet rays. Rolls 25 and 50 feet long and 24 in. wide. 1 3/2 cts. per sq. ft. Less than rolls, 14 1/2 cts. per sq. ft.

Glass, Double Thick. 50 sq. ft. to box. 10 x 12-in., 60 lights, \$6.75 per box. 10 x 14-in., 40 lights, \$7.25 per box.

Hyrite Water Putty. Adheres readily to wood, plaster, cement, tile, stone and wall-board. It can be chiseled, nailed, polished or colored. Will not shrink—dries hard. In powder form, simply mix with water. Lb. 40 cts., 5 lbs. \$1.85, 50 lbs. \$12.50.

Liquid Putty, Sawco. For cementing cracks or seams in roof-joints and frames of greenhouses, sash, etc. Gal. \$3, 5 gals. \$14.

Sawco Glazing Gun. Trigger type. For applying glazing compounds. \$5.50.

Putty Bulb, Sawco. For applying liquid putty. \$1.50.

Glazing Points, Van Reyper's. For single- and double-thick glass; 75 cts. per 1000, \$3.25 for 5000. Pliers 75 cts.

Greenhouse Shading. Powder form. Use 2 pounds to a gallon of water for either painting or spraying. **White.** 5 lbs. \$1.50, 25 lbs. \$6. **Green.** 5 lbs. \$2, 25 lbs. \$8.

Zinc City Glazing Points. In 1/2, 3/4, and 1 in. 1-lb. box 60 cts.

Glass Cutter. 25 cts.

Putty Knife. 35 cts.

Greenhouse White Paint. Full-bodied, long-life White Paint that withstands cold, heat, and humidity. Gal. \$4.25.

Garden Line

Best Braided Hemp. 100 ft., one length, \$2; 200 ft., one length, \$3.50.

Malleable Iron Reels for above.

No. 1. Holds 300 ft. \$2.50.
No. 2. Holds 600 ft. \$3.



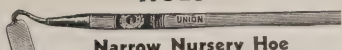
Grape Bags

Opaque. \$1.50 per 100, \$7.50 per 1000.

Glassine. \$3 per 100, \$25 per 1000.



HOES



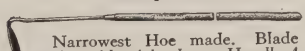
Narrow Nursery Hoe

Extremely narrow Hoe designed for use in closely planted areas. \$1.25.

Norcross Cultivator Hoe

They destroy weeds, leave the soil level, loose, and untrampled. **Long-Handle,** Single-Prong, 85 cts.; **3-prong,** \$1; **5-prong,** \$1.50. **Short-Handle,** Midget 3-prong, 60 cts.

Handy Hoe



Narrowest Hoe made. Blade is 3/4 in. wide, 4 in. long. Handle 4 ft. 85 cts.

Scuffle Hoe

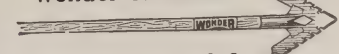
Not illustrated

A copy of the famous English pattern now made in this country. 6 in. wide, \$1.75; 7 in. wide, \$2.25.

Draw or Garden Hoe

Each	Each
5-in. \$1 10	7-in. \$1 50
6-in. 1 35	

Wonder Cultivator



An amazing garden tool. It hoes, spades, drills, cultivates, weeds and edges lawns. Also very useful for doing many jobs in the garden. \$2.25.

Warren or Heart-shaped Hoe

The best Hoe for making drills, covering, hoeing, and weeding. Each 4-ft. Handle, 6 1/2-in. blade \$1 50

Magic Cultivator

Made of round steel, galvanized, with springy temper. Enters soil very easily. A very handy tool for potted plants and home-garden use. Each 3-time, Short Handle..... \$0 25
3-time, 36-in. Handle..... 45
4-time, 42-in. Handle..... 75

"Speedy" Cultivator Hoe

The prongs get right down to work, loosening soil and breaking crust. Ideal weeder. 3-prong, \$1.25; 4-prong, \$1.50.

Grape Hoe

Blade 7 inches wide, 7 1/4 inches deep. Highly recommended for breaking up new land. \$3.



A. Earle Special Bush Hook. Ideal for heavy work. \$3.50.

B. Little Giant Bush Hook. A combination Bush Hook and Axe. Heavy-duty tool for exceptionally heavy work. \$4.



Kremeskin Gloves

Cream-treated lambskin. Protect hands from dirt, scuffing, bruises. Massages, softens and whitens the skin. Washable. Ideal for gardening, motoring and household tasks. Small (for sizes 5½-6½), medium (6½-7½), large (7½-8½). \$1 per pair.

Horsehide Garden Glove. For general garden or household use. Sizes 7, 8, 9, and 10. \$2.50 per pair, with Gauntlet; \$2 without Gauntlet.

No. 29 Swing Club

Has two 9-inch double-edge blades, one serrated and one plain. Overall length, 38 in. \$1.

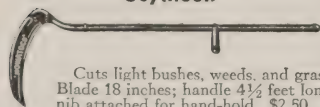
No. 26 Perfect Weed Cutter

Handy tool for cutting weeds or grass. The design of bow permits use of blade at angle, parallel to ground. Serrated double edge blade 14 x 2½ in. Length 38 in. \$1.50.

No. 29

No. 26

Scythehook



Cuts light bushes, weeds, and grass. Blade 18 inches; handle 4½ feet long, nib attached for hand-hold. \$2.50.



Grass Hooks

Warren-Church. Good quality. 75 cts. **Sawco.** Blade forged from razor steel, hollow ground. 1-in. offset. \$1.50. Also can be furnished for left-handed use at same price.

Berry or Thinning Hook



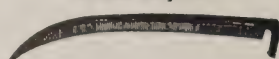
For thinning out berry bushes and shrubbery. Fine for sprouts and suckers. \$1.65.

Bush Scythe



Slightly heavier and shorter than a grass hook; 18 inches long. Especially used for heavy growth where ordinary scythe is not practical. \$2.75.

Grass Scythe



Cutlery steel, natural oil finish, cutting edge, web and backs polished.

32-in. Medium.....\$3 00
36-in. Large.....3 50
Scythe Snath or Handle. The very best, with patent socket. \$3.

Scythe Stones



Scythe Stones, Genuine English. Round, tapering. 60 cts.

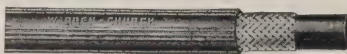
Sawco. 35 cts. each, \$3.50 per doz.

Scythe Rifles, Emery-coated. 35 cts. each, \$3.85 per doz.

HOSE



Wayahead. Special heavy duty. Surpasses all the cheaper grades of Hose. A two-braid Hose with a smooth black cover. ¾-in. bore, 50 ft. \$13, 100 ft. \$24.



Warren-Church Garden Hose. The reinforcement consists of one double-braid super-twist cord with raised conditions. Highest quality rubber used in tube and cover. A light-weight hose of great strength. Black in color. ¾-in. bore, 25 ft. \$4.25, 50 ft. \$8, 100 ft. \$14.

Spray Hose. High pressure. Good quality. ¾ or ½ in. Maximum pressure 300 lbs., 25 cts. per ft. Maximum pressure 500 lbs., 35 cts. per ft. Extra for fittings.

Hose Holders

Sykes Hose Holder. Made of twisted wire. Rust-resistant. Fits ½-, ¾-, and 1-in. hose. 35 cts.

Hose Nozzles



Justrite. Gives a copious spray or full stream. Made of plastic. 75 cts.

Aquamatic Nozzle



Gives solid stream or spray. A positive quick shutoff. No leaks or drips. Made of cast brass. Furnished with 3-in. brass rose. \$3.50.
Florist Nozzle. Cast brass; 4 inches round. ¾-in. Delivers a fine rain. \$2.50.
Stott's. Gives a very fine mist spray. Splendid for reaching under foliage to exterminate red spider. Single, \$2; double, \$3.50.

Hose Accessories

Siamese Hose Attachment. Permits use of two leads of hose at one time. ¾-in., \$1.50.

Hose Clamps or Bands. ½- and ¾-in. sizes, 15 cts. each, \$1.50 per doz.

Regular Hose Couplings. Easily applied. ½- and ¾-in., 35 cts. each, \$3.50 per doz.

Perfect Clincher Hose Coupler. Self-fastening Coupling that does not require extra bands, bolts, or wire. ½- and ¾-in., 35 cts. each, \$3.50 per doz.

Perfect Clincher Hose Mender. ½- and ¾-in. sizes, 20 cts. each, \$2 per doz.

Gooseneck Swivel. Prevents kinking; turns all ways. 85 cts.

Hose Washers. For ¾-in. hose. 10 cts. per doz.



Evertite Hose Coupling

No threads. No leaks. No kinks.

Instantly applied. Simple, durable, and tight. Can be used on faucet, also between lengths of hose and on lawn sprinklers. Washers countersunk so they won't come out. 60 cts. each, \$6.50 per doz.

Hotkaps

Made of special wax paper, tent-like in shape, 11 inches in diameter at base. Protects plants from frost, retains moisture in soil, and brings crops into earlier maturity.



Pkg. of 100, with setter and tamper. \$3.

Pkg. of 1000, with setter and tamper, \$12.65.

"Las-Stick" Household Kit



Household rubber repair kit ideal for mending garden hose, rubber plant sprays, boots and many household rubber articles. Consists of a strip of rubber 4 x 25 inches; 85 1½-in. square patches, ¼pt. bottle of cement, and a buffer. Complete \$1.50.

Caterpillar Brush

Made of wire; conical shaped; 6 inches long. Attached to a long pole it easily reaches the crotches of the tree and removes tent caterpillar nests. Price, without pole, 75 cts.

Planet Jr. Tools

As this Catalogue goes to press, we are informed by the manufacturers that they will make a partial delivery on our contract, but at this date we do not know the items and quantities they will allot to us. We suggest that you order from our 1942 Seed Annual at prices listed there. We will be able to give you definite information and a delivery date when we acknowledge your order.

LAWN MOWERS. As this Catalogue goes to press, we are advised by the manufacturers that there will be no Lawn Mowers manufactured for the duration. However, should the Government lift the restrictions, we will have Lawn Mowers for sale at the same prices as those listed in our 1942 Seed Annual.

KNIVES

Budding and Pruning



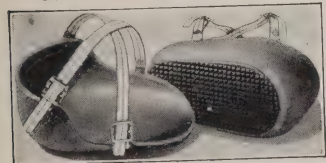
- No. 1. Strong Pruning Blade; Cocoa Handle. \$1 50
 No. 2. Budding Blade; Smooth Black Handle. Imported. 2 00
 No. 3. Pruning and Budding Blades; Patent Stag Handle. 2 75
 No. A. Two Blades; White Handle. 2 50
 No. B. Budding Blade with Ivory Budding; Stag Handle. 2 50
 No. C. Two strong Budding Blades; White Handle; Steel Bolstered. 2 00
 No. D. Aluminum Handle Budding Knife. Imported. One Blade. 3 00
 No. E. Genuine Bone Handle Budding Knife. Imported. One Blade. 3 50
Warren-Church Budder and Pruner
 Two Blades; Black Handle; Brass lined. Highest quality. 2 50

Asparagus Knives



Straight Edge. 40 cts. V-Shaped. 45 cts.

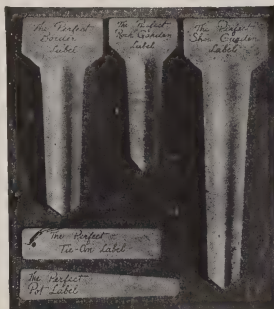
Kumfort Knee Pads



A comfort-giving knee-cushion with adjustable straps. Fits any knee; will not slip down when walking. Prevents moisture from penetrating the clothes and provides added life to work clothes. \$1.75 per pair.

LABELS

Perfect Garden Labels



Lead-pencil markings on this Label are permanent without any protection, in all weathers. Markings can be erased with pencil eraser and marked again.

Rock-Garden. Face, $1\frac{1}{4}$ x $\frac{7}{8}$ inches; length, 4 inches. 90 cts. per doz., \$1.75 for 25, \$6.75 per 100.

Border. Face, 2 x 1 inches; length, 5 inches. \$1 per doz., \$2 for 25, \$7.75 per 100.

Tie-On (with copper wire). Face, $3\frac{1}{2}$ x $\frac{3}{4}$ inches. 50 cts. per doz., \$1 for 25, \$3 per 100.

Show Garden. Face, 2 x $1\frac{1}{4}$ inches; length, 7 inches. \$1.25 per doz., \$2.50 for 25, \$9.50 per 100.

Pot, Tapering. Face, 4 x $\frac{3}{4}$ inches. 35 cts. per doz., 70 cts. for 25, \$2.50 per 100.

Pot or Garden Labels

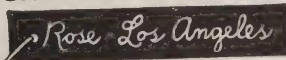
Wooden, Painted.	100	1000
4-in.	\$0 45	\$2 50
5-in.	55	2 75
6-in.	65	3 00
8 x $\frac{1}{2}$ -in.	1 00	6 00
10 x $\frac{1}{2}$ -in.	1 50	7 25
12 x $\frac{1}{2}$ -in.	1 60	10 50

Copper-wired. $3\frac{1}{2}$ -in. Painted 50 3 75
Label Pencils. To write on wood labels.

15 cts. each, \$1.65 per doz.
Indelible Ink. Bottle 50 cts.
X-L-All Pencil. (Imported.) 35 cts. each.

Sawco Label Tape. (Transparent.) For protecting pencil-writing on wood labels. Improves visibility. Climatic conditions will not hinder same. Roll contains 36 yards. $\frac{1}{2}$ -in. for $3\frac{1}{2}$, 4-, 5-, and 6-in. labels, 75 cts. per roll; $\frac{3}{4}$ -in. for 8-, 10- and 12-in. labels, \$1 per roll.

Green Weatherproof Labels



Tie-On. Green Labels easily marked with a sharp-pointed steel stylus which cuts through to the white base. Prices include Copper Wires and Steel Stylus for marking.

	Doz.	100
No. 31. 3 x $1\frac{1}{2}$ -in.	\$0 40	\$2 50
No. 32. 4 x $\frac{3}{4}$ -in.	60	4 00

Rock-Garden. Same as above. For use where the wired or stake type of Label is not appropriate.

	Doz.	100
No. 51. 4 x $\frac{3}{4}$ -in.	\$0 45	\$3 00
No. 52. 5 x $\frac{3}{4}$ -in.	70	4 50



Make your garden work a pleasure. Scientifically constructed of selected cypress for strength and light weight. Painted green or red. Green sponge rubber kneeling platform that together with front trough provides ample space for small tools. Eliminates strain and embarrassing contortions. Easily carried from place to place. \$3.75.



Hotbed Mats

Well made of sanforized and treated cotton. Olive color. While not entirely water repellent, it will shed water for quite some time.

	Each	Doz.
40 x 80 in.	\$4 00	\$40 00
80 x 80 in.	6 00	60 00

Mattocks



Cutter Mattocks. 6 lbs. Tempered tool steel. Polished edges. With handle, \$2.50.



Pick Mattocks. 6 lbs. Tempered tool steel. Polished ends. With handle, \$2.25.

Bird Netting

For the protection of strawberry beds and fruit trees against birds. 1-in. mesh only, in 20- and 30-ft. widths. \$2 per 100 sq. ft.

Paper

Wax, White or Green. 18 x 24 in., ream.	\$3 00
24 x 36 in., ream.	4 75
Tissue, White. 24 x 36 in., ream.	4 00
Manila. 24 x 36 in., ream.	4 00
Wrapping Paper, Kraft, in rolls. Per roll	
30-in. (approximately 45 lbs.)	\$9 50
36-in. (approximately 54 lbs.)	10 50
Crêpe Paper, Green, Waterproof.	1 00



Setfast AWNING PAINT

For awnings, canopies, cabanas, beach umbrellas, fiber rugs, canvas auto tops, and similar types of fabric, where a pliable, sun-fast, canvas paint or preservative is desired. Your choice of colors—Bright Red, Orange, Blue, Green, Black, and White. Will not crack. Does not stiffen canvas. Sun-resistant. Water-repellent. Retards rot and mildew.

1/2 pt. 50 cts., pt. 85 cts., qt. \$1.40, gal. \$5.

Watering Pots



French Oval Pattern. Furnished with 2 Roses.

6-qt.\$7 75	12-qt.\$9 50
8-qt.8 25	16-qt.11 50
10-qt.9 00	Extra Roses... 1 00

Haw's Pattern. Imported. Furnished with 2 Roses.

4-qt.\$8 00	8-qt.\$9 50
6-qt.8 50	Extra Roses... 2 50

Round Pattern. Furnished with 2 Roses.

6-qt.\$7 50	12-qt.\$9 00
8-qt.8 00	16-qt.10 50
10-qt.8 50	Extra Roses... 1 00

Ladies' Enameled. In three colors, green, red or ivory. Handy for watering plants indoors. Single Rose, 2-qt. only, \$1.75.



Hylite Water Putty

For handy repair jobs around the home. A powder made from wood. Simply add water. Repairs wood, plaster, cement, tile, stone, fibreboard and composition. It can be sawed, nailed, painted, polished, colored and molded. Will not shrink. Sticks where it is put. Dries hard. Use it for cracks and holes in furniture. Set loose handles. Loose screw holes. Set tile. Cracks behind baseboards. Repair boats and

mold novelties. Lb. 40 cts., 5 lbs. \$1.85, 50 lbs. \$12.50.

Watermat



They are for standing flower pots on. A compressed organic fibre takes up water by capillary action. Complete with rust-proof saucer. Small (fits 4- and 5-in. pots), 35 cts. Medium (fits 5- and 6-in. pots), 40 cts. Large (fits 7- and 8-in. pots), 50 cts.

Flower Pots, Standard



Flower Azalea Bulb

EARTHENWARE.		Best on the market.			
Diam. at top	Each	Doz.	100	1000	
2 in.		\$0 30	\$1 75	\$15 00	
2 1/2 in.		35	2 00	17 50	
3 in.		45	2 75	22 50	
4 in.	\$0 10	75	4 00	32 50	
5 in.		15	7 00	57 50	
6 in.	20	1 60	10 00	85 00	
7 in.	30	2 60	16 00	135 00	
8 in.	40	3 20	20 00	190 00	

Saucers for Above

Diam. at top	Each	Doz.	100
4 in.	\$0 05	\$0 50	\$3 50
5 in.		05	55
6 in.		10	90
7 in.		10	1 10
8 in.		15	1 60
9 in.		20	2 00

Earthenware Bulb Pans

Diam. at top	Each	Doz.	100
6 in.	\$0 20	\$2 00	\$12 00
7 in.		25	2 50
8 in.		35	3 50
9 in.		55	5 50
10 in.		75	7 50
12 in.	1 35	13 50	100 00

Square Earthenware Pans

Size	Each	Doz.
8 x 8 in.	\$1 25	\$13 75
12 x 12 in.	1 75	19 25

Earthenware Azalea Pots

Resemble bulb pans, 1/2 in. deeper.

Diam. at top	Each	Doz.	100
6 in.	\$0 20	\$2 00	\$12 00
7 in.		25	2 50
8 in.		35	3 50
9 in.		55	5 50
10 in.		75	7 50

Green Rubber Saucers

Ridge in center permits free flow of water from bottom of pot. Absorbent pad in center releases water to plant when needed.

Diam. at bottom	Takes pot	Each	Doz.
1. 4 in.	Up to 6 in.	\$0 25	\$2 50
2. 6 in.	Up to 8 in.	45	4 50
3. 8 1/4 in.	Up to 12 in.	90	9 00
4. 10 1/4 in.	Tubs up to 10 1/4 in.	1 35	13 50



Flower-Pot Brackets

Very strong and durable. Can be attached to side of window and swung away or toward sun, as desired.

No. 2. Arm, 8 in., holds 6-in. pot.... 1 50
No. 3. Arm, 10 in., holds 7-in. pot.... 1 75

Paper Flower Pots, Neponset

Very economical; waterproof; can be nested closely for shipping.

Red

Diam.	Doz.	100	1000
2 1/4 in.	\$0 20	\$0 80	\$4 50
2 3/4 in.	25	85	4 75
3 in.	30	1 00	6 00
4 in.	50	1 60	9 50
6 in.	85	2 85	17 00

Square Paper Pots

Made of specially treated Kraft board. Eliminates waste. Come knocked down. 2-in., \$1.25 per 100, \$12.50 per 1000.

Rakes

Sawco Lawn Cultivator Rake

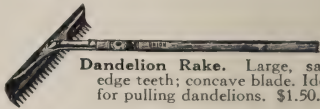
Consists of a heavy, solid head, carrying 13 curved, sharp-pointed and sharp-edged teeth. The Cultivator Rake tears out clover or crab-grass and roughens the turf to prepare it for reseeding. With handle, \$2.75.



Lawncomb

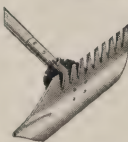
The flexible, springy teeth make it very desirable for cleaning around plants, vines, shrubbery, and flower-beds. Also for cleaning gravel paths;

it removes leaves and other refuse without disturbing the gravel or crushed stone. 24-in., \$1.75.



Dandelion Rake. Large, saw-edge teeth; concave blade. Ideal for pulling dandelions. \$1.50.

"Allinone" Garden Tool



A handy, easy-to-work-with tool for the home gardener. Can be used as a hoe, shovel, edger, rake, weed-digger or cultivator. A ratchet device changes it to any of these working positions. 6 x 11-inch steel head; 4-foot handle. \$2.25.



Bamboo Rake

Fitted with polished wooden handle. Cleans the turf as gently as the human hand. Best quality. Reinforced. Each Doz. Small. 18 in. wide.\$0 75 \$8 25

Sawco Renovating Rake



An ideal hand tool for preparing a lawn for seeding. Backward and forward motion thoroughly loosens top layer of soil. \$1.75.

EMERALD FERTILIZER

GROWS GOOD GRASS. For new lawns dig under 50 pounds per 1000 square feet, top-dress existing lawns at half this rate. 100-lb. bag \$6 . . . See Plant-Food Section.

RAKES

Wood Hay and Lawn Rake. Made especially with an extra-heavy head for double service.

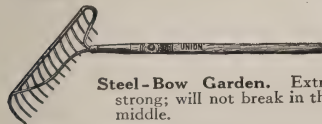


Each Doz.
Hay, 14-tooth . . . \$1 75 \$19 25
Lawn, 28-tooth . . . 2 50 27 50



Steel Garden. Cut from one piece of steel; strong and durable. Polished teeth.

10-tooth . . . \$1 20 | 14-tooth . . . \$1 35
12-tooth . . . 1 25 | 16-tooth . . . 1 45



Steel-Bow Garden. Extra strong; will not break in the middle.

12-tooth . . . \$1 35 | 16-tooth . . . \$1 65
14-tooth . . . 1 45

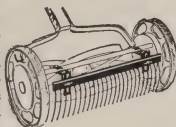
Woman's Garden Tool Set



Practical—not toys. Four-piece set \$4.50. Individual tools, \$1.50 each. Gift set in stainless steel; polished handles, \$15. Individual tools, \$5 each.

Crab Grass Eliminator Rake

Fits any mower from 15 to 19 inches wide. Lifts the Crab Grass and Seed Spikes from the ground so the mower can slice them off. Attaches very easily to mower, \$2.



Ideal Cultivator



A flat, forged steel blade, 1 inch wide, with bevelled edges. You will find this to be a very handy

Cultivator for general use in the garden. 35 cts.



Chimney Sweep

The modern soot-destroyer. Cleans chimneys, furnaces and flues. Use it in this emergency to conserve fuel by freeing soot from the chimney. Simply spread over fire and Chimney Sweep is ready to destroy soot in your chimney. It penetrates it and quickly disperses it. Non-inflammable; non-explo-

sive. Its regular use will prevent chimney fires. 48-oz. can \$1.

Water-Ballast Lawn Roller



The drum has rounded edges, which prevent cutting of the sod. Heads are held through the center by a full-length axle firmly fastened by double steel lock nuts and washers. Can be filled with water or sand.

A Water-Ballast Roller makes a good lawn

No.	Diam.	Length	Weight empty	Filled with Water	Price
B	14 in.	24 in.	70 lbs.	175 lbs.	\$11 50
C	18 in.	24 in.	85 lbs.	265 lbs.	14 25
D	24 in.	24 in.	110 lbs.	420 lbs.	19 75
E	24 in.	32 in.	130 lbs.	565 lbs.	22 50

Cast-Iron Hand Lawn Rollers



Roller is made smooth, with outer edges rounded. Will not injure grass when turning.

No.	Sections	Diam.	Length	Weight	Price
1	2	15 in.	15 in.	150 lbs.	\$19 50
3	3	15 in.	22 in.	250 lbs.	30 00

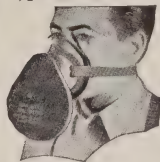
Midget Spike Roller

For the small or medium-sized lawn. Steel Tray can be weighted with stone or bag of sand. Roller 13 in. wide; Spikes 1½ in. long. \$9.75.



Dust Respirator

Approved by the Bureau of Mines for use in conjunction with all types of dusts and sprays including Arsenate of Lead. \$3.



Sawco Rustproof Compound



A viscous non-hardening material that is soft, smooth, and readily workable. Penetrates existing rust and prevents further deterioration of the metal underneath. For smooth tools, such as shovels, spades, rakes, etc., use a brush. For lawn mowers, hay mower, farm implements, etc., we recommend spraying it on.

5 lbs. \$2, 25 lbs. \$7.50, 100 lbs. \$25.

Rubber Preserver



A new product that is applied like paint with a brush. It is a synthetic rubber, which forms a water-proof, grease-proof film that keeps rubber articles soft and flexible, and protects against excessive wear, deterioration and oxidation. Use to prolong the life of garden hose, rubber footwear, stair treads, floor mats and many other household items. Invaluable for

automobile tires, particularly if the auto is laid up for quite some time. ½ pt. 65 cts., pt. \$1.10.

Cyclone Seeders



Sows perfectly even all varieties of farm seeds such as clover, timothy, red-top, alfalfa, rye, millet, wheat, etc. Can be regulated to sow any amount per acre. The bag holds about ½ bus. \$3.75.

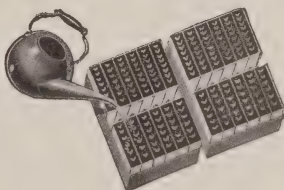
Sowrite Seed Sower

Sows Seeds at a Touch



It scatters seeds individually and prevents crowding and choking of the seedlings when coming up. For fine seeds, 50 cts.

Seed Starter Set



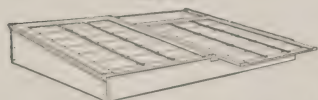
A practical set for indoor seed-sowing. It consists of two waterproof cardboard boxes, each 7¼ x 10¾ inches, containing 24 handy trays, each tray 1½ inches wide x 4½ inches long and 2½ inches deep. Center canal between trays permits easy watering by sub-irrigation. Tabs furnished to label each tray. Label contains full information on the sowing and care of most seeds. Price 60 cts.

Come-Along Hand Power Unit



For removing logs, stumps, straightening trees. Equipped with 5 feet of ¾-inch strong chain. Tested to 6000 pounds. Length of travel 47 inches. Weight 18 pounds. \$12.50. Extra chain, 75 cts. per foot.

Hotbed Sash and Frames—Glass



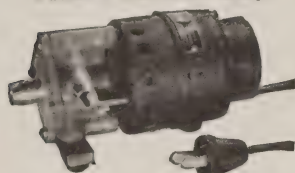
Single Light Sash. Standard size, 3 x 6 ft. Made of cypress. \$7.75 each, \$85 per doz.

Standard Hotbed Frames. Made of high-quality, selected cypress, free from knots. Back depth of frame 16 in.; front depth 8 in.

	Dimensions	Sashes	Frame	Sash
	feet	held	only	
No. 1.	3 x 6	1	\$11 00	\$18 75
No. 2.	6 x 6	2	13 00	28 50
No. 3.	9 x 6	3	16 00	39 25
No. 4.	12 x 6	4	18 00	49 00
No. 5.	15 x 6	5	21 00	59 75
No. 6.	18 x 6	6	25 00	67 50

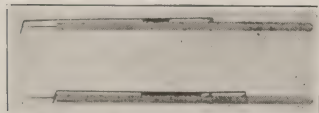
Cel-O-Glass Junior Coldframe. Ideal for starting early flowers and vegetables. Size 3 x 3 ft. Sides and Sash made of air-dried cypress, painted green. Sash covered with Cel-O-Glass. Unbreakable, flexible. \$5.

Eastern Garden Pump



A compact, handy electric motor unit for fish-ponds, lily-ponds, and other small bodies of water. Specially constructed with intake and outlet for pumping the same water over and over again. \$18.50.

Sanipic



Does efficient work in eliminating all paper and rubbish from lawns, parks, beaches, cemeteries, and golf links. Measures 35 inches long. Pressure of finger discharges waste. 85 cts.



Grafting Chisel
Makes clean splits and does not tear the bark. \$1.25.

Sawco Tree Scraper



A handy tool for removing loose bark that harbors insects. The incurved end takes care of the small grooves, and the broad curve, sharpened on both sides, scrapes the wide, shallow grooves. Spring-steel, forged. \$1.75.

Saws



California Curved. Has a very narrow blade with rip teeth. Blade tapers from 1 1/4 inch wide at point to 1 1/2 inches wide at butt. 14-in., \$2.50.



Paragon. The convex edge is toothed for fine cutting, and the opposite edge for coarse work. Blade 2 1/2 inches wide at handle, and 1 inch at point. 16-in., \$2.50; 20-in., \$2.75.



Sawco. Fitted with new-style Davey handle. 20-in., \$3.25; 26-in., \$4.50.



Tuttle Tooth. Has extra-sharp teeth that hold their edge longer. 20-in., \$3.50; 24-in. \$4.



Duplex. Toothed on one edge with lightning teeth for extra-heavy, coarse work, and fine teeth on opposite edge for finer cutting. 18-in., \$2.50; 22-in., \$2.75.



Forester. Blade is very stiff and will not bind; tapers from 1 1/4 inches wide at point to 3 1/4 inches wide at butt. Extra-large teeth, filed and set. 26-in., \$3.50.



Warren-Church Pole. Blade adjustable to cut at any angle. Casting is hollowed and bored for slipping onto a pole of any desired length. A hook on this casting for dislodging cut limbs. Pole not furnished. 16-in., \$3.50.



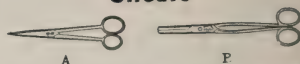
No. 390 One-Man Saw. Has wood saw tuttle teeth, properly filed and set, and is fitted with an extra-large grip handle. Furnished in two lengths: 3-ft., \$3.50; 4-ft., \$6.

POLES. For Pole Pruners. Made of selected seasoned wood. 10-ft., \$1.75; 14-ft., \$3, 16-ft., \$4.

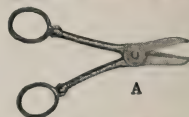
Sieves

For covering newly sown seed there is no better way than to riddle on to it a very light covering of soil. Galvanized. 20 inches in diameter. 1/8-, 1/4-, and 1/2-inch mesh. \$2.50 each.

Shears



A. Grape-thinning Scissors. 7 in. long. \$3.
B. Sawco Nickel-plated Flower-gathering Shears. Grasps flower when stem is cut. High-grade steel. 5 in. long. \$2.75.



A. Garden Club Flower-gathering Shears. Nickel-plated. Made to hold within its grasp stem of cut flower. \$2.



Sawco-Snips. The scissors-like Grass Shears. Practical for trimming edges and borders of lawns, flower-beds, etc. \$1.75.

Border Shears

Designed to trim overhanging grass on borders, flower-beds, and walks. Without wheel, \$7.50; with wheel, \$8.

Snap-Cut Tree and Shrub Pruner

Sharp-cutting Shears on a long handle that takes a lot of the grief out of pruning. New, handy, light in weight it has unbreakable steel cutting parts attached to a strong aluminum shaft. It is ideal for pruning briery fruits, roses, and shrubs, saving the hands from scratches. With it you can cut at the

ground level without bending over, or pick high-growing flowers, prune fruit trees, high vines, etc. A serviceable tool that easily cuts 1/4-inch branches. 4-ft., \$4.50; 6-ft., \$5.50.

Hedge Shears



Sawco Domestic. Well made and of excellent quality. With notch. Each
8 1/2-in. blade.....\$3 00
9 1/2-in. blade.....3 75
Ladies' Plain. 6-in. blade.....2 75

Sawco Hedge Trimmer



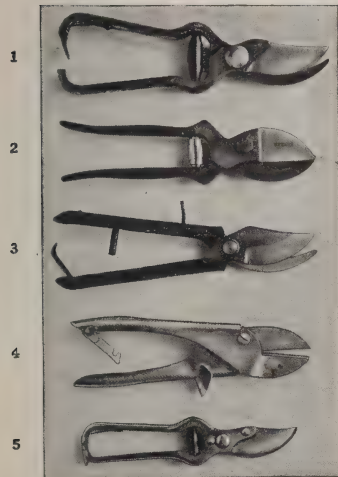
Cutter bar made from high carbon steel, 12 1/2 inches long. Has 9 stationary teeth and 4 moving blades. Length overall, 2 feet 10 inches. Weight 2 pounds. Enables operator to trim faster with less effort and fatigue. Excellent for shaping and decorative trimming. \$2.90.

Grass Shears



Domestic. 6½-in., \$1.75.

Pruning Shears



1. **Sawco Solid Steel.** Made of crucible tool steel. Tempered and fully polished. Ratchet nut keeps Shears properly tightened. 8-in., \$3.50; 9-in., \$3.75; 10-in., \$4.
2. **Warren-Church.** Alligator pattern, draw-cut action. Made of fine cutlery steel. Length 8½ in. \$1.75.
3. **Professional.** Imported high-quality steel. Light in weight. Has hand-guard and wire clip. Black handle. 8½ in. long. \$2.50.
4. **Snapcut.** A light-weight Pruning Shear with draw-cut blades. Ladies' size, 6-in., \$2. Men's size, 7¾-in., \$2.50.
5. **Ladies' Chrome.** Light, practical, handy to use on roses and shrubbery. 7-in., \$2.50.

All-Steel Tree Pruner



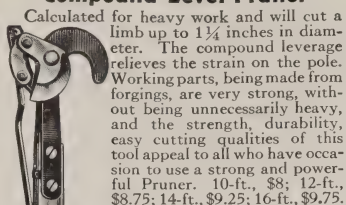
Strictly high-class Pruner in every detail. Light, powerful, and practical; cuts 1½-inch limbs with ease. 20-in., \$3; 28-in., \$4.

Multi-Power Shear



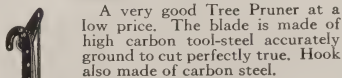
Compound lever action; powerful and clean-cutting. Ash handles with heavy long strapped ferrule. Easily cuts 1½ to 2-inch branches. Length overall 31 inches. \$6.75.

Compound-Lever Pruner



Calculated for heavy work and will cut a limb up to 1¼ inches in diameter. The compound leverage relieves the strain on the pole. Working parts, being made from forgings, are very strong, without being unnecessarily heavy, and the strength, durability, easy cutting qualities of this tool appeal to all who have occasion to use a strong and powerful Pruner. 10-ft., \$8; 12-ft., \$8.75; 14-ft., \$9.25; 16-ft., \$9.75.

Waters Tree Pruner



A very good Tree Pruner at a low price. The blade is made of high carbon tool-steel accurately ground to cut perfectly true. Hook also made of carbon steel.

8-ft. \$3 25
10-ft. 3 75
12-ft. 4 00
Extra Knives, 40 cts. each.

Telephone Pole Pruner

Not Illustrated

Similar to the Waters Pruner but without pole, chain pull, \$3.75. Extra Knives, 40 cts. each.

Tip-Top Pruner



A combination Pruner and Saw. Furnished with three 4-foot sectional handles which are easily and quickly assembled. Overall length 12 feet; crescent-shaped saw blade 1 foot. Operates simply by means of rope control. Complete \$6. Extra 4-ft. sectional handles, if desired, 85 cts. each.

Sawco Lopping Shears



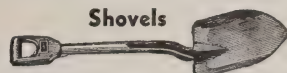
A well-made heavy-duty draw-cut Shears, with brass anvil and high-tempered steel blade. Very easy cutting. An exceptional buy. Cuts branches 1 inch in diameter. Handles reinforced with steel ferrule. Overall length 25 in. \$2.75.

Rhodes' Double-Cut Pruner



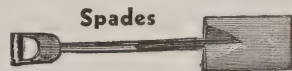
A good and powerful Pruner. Cuts from both sides of the limb, and does not bruise the bark. Long ferrules; handles do not pull out; blades are of the best forged steel. 30-in., \$6.

Shovels



Sawco Shovels. Good reliable grade.
Square Point, D-Handle. \$2 75
Round Point, D-Handle. 2 75
Long-Handle Shovels, same price.
Ames Shovels are the best manufactured.
Square Point, D-Handle. 3 75
Round Point, D-Handle. 3 75
Long-Handle Shovels, same price.
Ladies'. Light weight; long handle; round point. 2 00

Spades



Sawco Spades. Dependable quality.
D-Handle and Long Handle. \$2 75
Ames Spades. Finest made.
D-Handle and Long Handle. 3 75



Ladies' Spade. Blade 7 x 10½ in. Diamond Point, D-Handle. Sturdy yet light. For the junior gardener. 2 75



Transplanting Spade. A light-weight concave spade 4½ in. wide by 14 in. long. Ideal for transplanting perennials and many other plants in the garden. D-Handle. 2 75

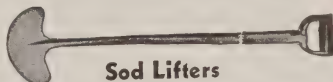
Sudbury Soil-testing Outfits



Professional Kit

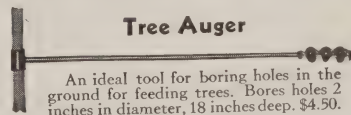
Tests for nitrogen, phosphorus, potash, and acidity.

Home Garden Kit. (Four tests) \$2 00
Club Kit. (Makes 10 tests) 4 75
Horticultural Kit. (Makes 60 tests). 9 75
Professional Kit. (Makes 200 tests). 18 50



Sod Lifters

American Pattern. Preferred by many on account of its light weight. \$3.75.



Tree Auger

An ideal tool for boring holes in the ground for feeding trees. Bore holes 2 inches in diameter, 18 inches deep. \$4.50.

SPRAYING or DUSTING is ESSENTIAL

to produce a good crop. Rotene Liquid Spray, 4 ozs. \$1.
Hortex Dust, lb. 50 cts. Both Non-Poisonous.

Ames Nursery Spade



Full strapped heavy-duty tool used by nurserymen for transplanting. Blade 12 1/2 inches long. D-handle. \$6.50.

Ames Drain Spade



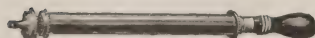
Solid shank. Ideal for transplanting. 16 inches long; 4 3/4 inches wide. D-handle. \$4.75.

Hampden Root Sprayer



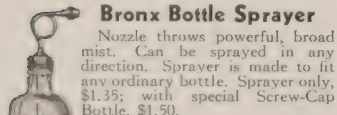
The most scientifically constructed subsoil watering instrument on the market. Highest quality workmanship used. Just attach hose to swivel hose connection and insert into soil. Insert 8 to 10 inches diagonally for flowers and small plants; 1 to 2 feet for large shrubs and trees. One quarter turn of handle for slow watering; one full turn for instantaneous watering. Weight 2 1/2 pounds. Measures 3 feet overall. Complete with Transparent Cartridge Chamber, \$4.50.

Brass Syringes



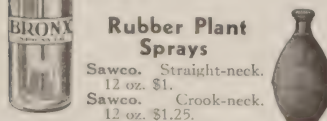
No. 10. Barrel 18 in. long, diam. 1 1/2 in. One course and one fine Spray Rose and one Stream Jet, with Patent Valves and Elbow Joint for sprinkling under the foliage. Weight 5 lbs. \$12.

Bronx Bottle Sprayer



Nozzle throws powerful, broad mist. Can be sprayed in any direction. Sprayer is made to fit any ordinary bottle. Sprayer only, \$1.35; with special Screw-Cap Bottle, \$1.50.

Rubber Plant Sprays



Sawco. Straight-neck. 12 oz. \$1.
Sawco. Crook-neck. 12 oz. \$1.25.

WRITE FOR A FREE COPY OF OUR
SPRAY GUIDE

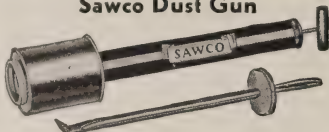
DUSTERS

Woodason's Bellows



Powder, small size \$4.50; large size \$6. Liquid, small size \$4.25; large size \$5.
Double-Cone Powder Bellows. For dusting plants with dry powders. \$7.50.

Sawco Dust Gun



For dusting Hortex, Tobacco Dust, Hellebore, Paris Green, Arsenate of Lead, Powdered Sulphur.

Junior Model. (Not illustrated.)
Capacity 3 ozs. \$0 50
Senior Model. (As illustrated above.)
Capacity 12 ozs. 1 50



Sawco Paragon Duster

Duster is constructed of heavy lead-coated steel. Powerful air-blast breaks up powder into uniform fine dust.

Junior Size. Capacity 2 to 5 pounds, depending on powder used. \$13.50.
Senior Size. Capacity 5 to 10 pounds, depending on powder used. \$16.50.

Sawco Hose Spray Gun



Connects to your water hose; no mixing or pumping required. Simply insert type cartridge required and attach sprayer to end of garden hose. Water passing over transparent cartridge dissolves chemical uniformly to provide constant and adequate spray solution. See page 109 for cartridges. Gun complete as shown, \$3.75. Extra: 3-ft. Extension Rod, \$1.50; Transparent Chamber, \$1.50.

Sawco Compressed-Air Sprayer



The most perfect small hand Compressed-air Sprayer made. Delivers a continuous fog-like spray. Is fitted with straight and adjustable nozzles making a perfect under-leaf sprayer. Holds 1 qt. Sturdy construction. Wonderful performance.
Brass Pump and Copper Tank. \$2 75
All Tin. (Not illustrated.) 25

Sawco Open-Hed Auto Sprayer

An excellent Compressed-air Sprayer especially adapted for spraying around the home, garden, stable, and poultry-house.

Tank made of corrugated brass or copper-bearing galvanized steel and lined with special non-corrosive coating to guarantee long life. Double riveted to ensure maximum strength.

No. 4-B. Brass Tank fitted with Automatic Shut-off 2-ft. Seamless Brass Extension and Non-Clog Nozzle. Capacity 4 gals. \$13.50.

No. 4-D. Galvanized Tank with equipment as above. Capacity 4 gals. \$8.

No. 3-D. Galvanized Tank with Automatic Shut-off 18-in. Seamless Brass Extension and Non-Clog Nozzle. Capacity 3 gals. \$7.



Extras for Sawco Open-Hed Auto Spray

Auto-Pop Nozzle only	\$0 75
18-in. Brass Nozzle	60
24-in. Brass Extension	80
36-in. Iron Extension	75
Auto-Pop Nozzle complete with Shut-off and Rubber Hose	2 75
Shut-off without Nozzle and Hose	1 25
Leather Cup Washer	15
Bordo Nozzle	1 50
Hose only, 3/4-in.	25

Pump-a-Sprayer

A very handy and useful small Sprayer for house-plants and small gardens. Develops a fine, fog-like spray to a distance of 15 feet. Glass jar, 1 quart capacity. One hand pumps and the other directs spray. \$2.85.



Hayes Jr. Spray Gun



A very simple Spray Gun for attaching to your hose. Merely pour liquid concentrate in jar as directed and fill with water. Gun is then ready to use. \$5.95.

Sawco Knapsack Sprayer

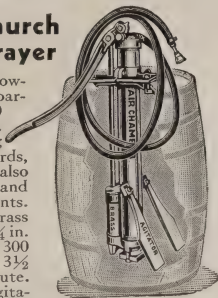


Maintains about 35 pounds pressure. Equipped with ample length of 5-ply spray hose, automatic shut-off, 2-foot seamless brass extension, wide-web straps easily adjustable, and screen nozzle so operator can easily direct spray with one hand while pumping with the other. Four-gallon capacity. An excellent Sprayer for potatoes, garden truck, field-crops, etc., or where operator has to move about.

Copper-Bearing Galvanized Steel... \$20 00
Heavy Sheet Brass... 23 50

Warren-Church Barrel Sprayer

A high-grade, powerful, well-built barrel pump of 50 gallons capacity. Ideal for spraying orchards, vineyards, garden crops, also for whitewash and cold-water paints. Height 38 in. Brass pump cylinder $4\frac{1}{4}$ in. diam. Develops 300 lbs. pressure, $3\frac{1}{2}$ gals. per minute. Paddle type agitators. $12\frac{1}{2}$ -ft. hose and brass non-clog nozzle. \$35.



No. 0 Sawco Sprayer

For the small home-owner who desires a very efficient Sprayer, this has been specially designed to meet his needs. It is equipped with 14-quart Galvanized Pail, 25-foot $\frac{3}{4}$ -inch hose and Paragon Nozzle that develops stream or fog spray.

Recommended very highly for general, all-round garden use. Also for whitewashing and disinfecting. \$15.

The C. B. G. Sprinkler



Cheap but good
Nothing to get out of order. Easily drawn about the lawn without shutting off the water. 75 cts. each.

Water Wand



length 52 inches. All parts rustproof. \$3.

Releases water in a steady, yet gentle flow at base of plants. Provides maximum amount of water with minimum waste. Water is left motionless to sink deep into the soil. Connects to your garden hose. Long handle permits watering flower-beds without stepping on soil or trampling flowers. Overall

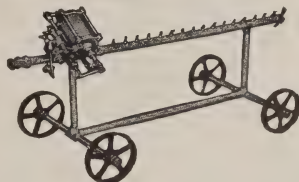
Soil-Soaker Hose

Now you may use the same successful deep-soaking method employed by big commercial irrigators.



Made of porous canvas, 2 inches in diameter. Water seeps through pores; no spray. Equipped with regular hose connection for attaching to hose or pipe. 18 ft., \$2; 30 ft., \$3; 50 ft., \$4.75.

"Rainmaker" Sprinkler



Throws an even curtain of water slowly back and forth across a large rectangular area. Operated by a water-turned motor which rotates the nozzle pipes slowly, so fan spray covers a maximum length along the axis.

6 ft. Coverage one setting 1800 sq. ft. (30 x 60). Minimum pressure needed 25 lbs. \$40.

10 ft. Coverage one setting 2400 sq. ft. (40 x 60). Minimum pressure needed 30 lbs. \$45.

Duck House Sign



For your home, cottage or estate. Made of metal. Duck painted in life-like colors. Plate 4 x 10 in. Can be painted with your name or house numerals. Limit 12 letters on each side. Price, plain, no lettering, \$5. Lettering, extra, one side, either white or yellow, \$1.75, both sides \$3.

SPRINKLERS

Sawco Portable Spray Head



Head is adjustable to \$1 each, \$11 per doz.

Double Rotary Sprinkler

Efficient, Long-wearing, Reliable

Covers an area from 15 to 80 feet. Gears run in oil. Nozzle can be adjusted for fine and coarse spray. \$13.50.



Flaring Rose Hose Sprinkler

Ejects a fan-like gentle spray. For watering seedlings and newly planted grass-plots. Stamped brass, 75 cts. each; cast brass, with shutoff, \$1.25.



Tri-Con Sulphate of Ammonia Nozzle



For use in applying sulphate of ammonia fertilizer. One pound of sulphate of ammonia in this nozzle will cover an area 300 to 400 square feet. \$4.

Tri-Con Commercial Fertilizer Nozzle. Same as above but glass jar is on top for gravity feed. Applies 3-8-7, 4-9-2 and other popular advertised brands without danger of streaking or burning. \$4.



"Ace" Sprinkler

A rotary type Sprinkler with brass adjustable nozzles. Chrome bearing gives trouble-free operation for years. \$2.50.

Holland Rotary Sprinkler



Has the principle of the Double Rotary Sprinkler with whirling wheel distributing water like a gentle shower over an area up to 30 feet in diameter, according to water pressure. Even uniform coverage. Only one moving part. Needs no oiling; has nothing to wear out. \$1.50.

When you stake your Tomatoes, fasten them with

PLANT-TWISTS,

made of wire which bends easily, plant is protected by soft fibers.

• 50 cts. per 100

Plant Stakes, Cane

Chinese Bamboo, Dyed Green. For staking gladiolus, annual flowers, etc., in the garden. Uniform pencil thickness.

2-ft.	\$1 25	\$9 00	6-ft.	\$3 50	\$22 50
5-ft.	2 75	19 50			

Chinese Bamboo, Natural. For sweet peas, chrysanthemums, and other greenhouse plants.

6-ft.	2 50	\$20 00			
10-ft.	4 50	30 00			

Chinese Tonkin Cane. Heavy stake-canels for indoor and outdoor use. $\frac{3}{8}$ -in. diameter

3-ft.	\$2 50	\$20 00	4-ft.	\$3 00	\$24 00
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Plant Stakes, Wood

Plant Stakes, Green. $\frac{1}{2}$ -in. in diameter.

2-ft.	\$0 45	\$3 25	4-ft.	\$0 85	\$4 50
3-ft.	65	3 75	5-ft.	1 25	5 00

Square Stakes, Green.

4 ft. x $\frac{1}{4}$ in.	\$1 75	\$12 00			
5 ft. x $\frac{3}{8}$ in.	2 25	16 00			
7 ft. x 1 in.	3 25	20 00			

Special Dahlia Poles, Green. Solid ash; $\frac{1}{2}$ inch diam.; non tapering.

6-ft.	\$4 00	\$18 00			
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Hickory Stakes, Green.

3 $\frac{1}{2}$ -ft.	\$0 65	\$5 00			
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BEAN POLES. 35 cts. each, \$3.50 per doz.



Pro-Tek

A greaseless cream which protects skin against paint, lacquer, grime, dirt and similar substances. Washes off easily when the job is done and takes the dirt with it. Simply work the cream into the hands and arms before commencing work.

8 ozs. 35 cts., gal. \$3.35.



Adjusto Plant Supports

Sturdy hardwood stakes, $\frac{1}{2}$ -inch square, with a strong wire support instantly adjustable to any height. Holds the plant firmly together, yet admits air and sunlight.

Holds the plant firmly together, yet admits air and sunlight.					
Each	Doz.		Each	Doz.	
3-ft. . .	\$0 25	\$2 50	5-ft. . .	\$0 35	\$3 50
4-ft. . .	30	3 00	6-ft. . .	40	4 00
Extra, 13-in. Wire Hoops.			20	2 00	

Metal Plant Supports

Galvanized Wire Stakes.				
	Doz.	100	1000	
3-ft.....	\$0 40	\$2 50	\$18 75	
4-ft.....	50	3 30	24 75	
5-ft.....	60	4 00	30 00	

Tomato Supports, Wire. Made of heavy steel wire. 32 in. high, 14 in. diam. 65 cts. each, \$5 per doz., \$35 per 100.

Sawco Spiral. Made of galvanized wire enamelled green. A twist curls the spiral end about the stake of the plant.

3 ft.	\$1 00	\$7 00	4 ft.	\$1 25	\$9 00
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Carnation Supports, Etc.

Carnation Supports, Model Extension. 2-ring, \$2 per doz., \$10 per 100; 3-ring, \$2.25 per doz., \$11.50 per 100.

Baur's Carnation Clips. Plier and 1000 Clips, \$4.50. Plier alone, \$3.50. Extra Clips, \$1 per 1000.

Carnation Bands, Rubber. Prevents splitting. 20 cts. per doz.

Thermometers



No. 5420. Greenhouse. Black japanned heavy tin case. Oxidized brass scale, white figures. (Spirit.) 8-in., \$1.25.

No. 5452. Self-registering. (Sieck's Pattern.) Lacquered brass case, white figures.

Maximum and Minimum. 10-in., \$9, with magnet.

No. 5400. Black tin case; brass scale, white figures. (Mercury.) Range, 40 degrees below zero to 120 above. 10-in., \$2.65.

No. 5127. Steel, finished white enamel. Black figures make it easy to read at a distance. Temperature from 20 below to 120 degrees Fahrenheit. (Spirit.) 8-in., \$1.10.

No. 5314. Enamel Spirit. Black figures on white. For exterior or window use. Universal ball joint permits turning at any angle. 8-in., \$1.50.

No. 5981. Hotbed. Pointed wood. Brass oxidized scale, white figures. Best grade, mercury-filled bulb-chamber. 15-in., \$4.

Torches

Asbestos. Attach the Torch to the end of a pole, saturate with kerosene oil, light, and hold under the caterpillars' nests, passing quickly along the branches and around the trunk of the tree. Without pole, 60 cts.

Havahart Animal Trap



Made of steel and screened wire. Very easy to set. Harmless to animals and humans. 7 x 7 x 24 in. (for Muskrats, Mink, Rats, Chipmunks, Weasels, Squirrels, Rabbits.) \$4. 11 x 11 x 36 in. (for Woodchuck, Raccoon, Opossum, Cats), \$8.75.

Trowels



Stumpwall. Best Trowel made. The ferrule and shank, as well as the blade, are forged in one piece; 6 inches long. \$1.25.

Forged Steel. This Trowel is second to the Stumpwall Trowel in quality and finish. The blade and shank are one piece, forged out of the best steel. Made in three sizes: 5-in., 75 cts.; 6-in., 85 cts.; 7-in., \$1.25.

Warren-Church. Made of one-piece heavy sheet steel with hollow bent shank for strength. Blade 6 inches. 35 cts.

Planet Jr. Bulb. Extra-long and narrow. Has three notches, 3, 4, and 5 inches. Made of high-tempered steel. 60 cts.

Slim Jim. Excellent for setting bulbs or transplanting. 5-in., 20 cts.; 7-in., 25 cts.

Tree Wrap

A waterproof crinkled paper 4 in. wide, 155 ft. to the roll. Protects the trunks of newly planted fruit and shade trees against frosts, sun scald, borer attack and rodents. Adjusts itself to the contour of tree trunks and expands to accommodate growth. Roll 75 cts., 10 rolls \$6.50, 20 rolls \$11.

G. B. Vine Supports

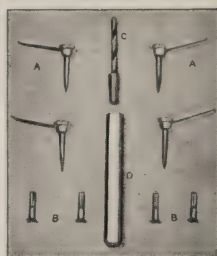
For training roses and climbing vines on brick, stone, or wood without defacing surface. Box of 25 Supports, with Cement, \$1.35 postpaid; 100 Supports, \$5.

"Beat All" Wall Nail

For training vines, ramblers, etc. Made of metal with pliable lead tip which can be bent to any desired position.

1-in. \$0 35 \$2 25 | 2-in. \$0 50 \$3 25

Vyn-Tach Hooks



Attach your climbing roses and other vines to masonry or wooden surfaces.

Vyn-Tach Hooks for Masonry.

Complete set of 25 Hooks, 25 Shells with Drill and Drill-holder, \$2.25. Complete Set of 100, \$6.50.

Without Drill and Drill-holder, \$1.75 for 25, \$5.50 for 100.

Vyn-Tach Hooks for Wood. 25 Vyn-Tach Hooks, \$1.25; 100 Hooks, \$4.50.

Shrub Protector

A wire guard with sharp points, easily fastened around shrubs to keep dogs away. Practical and economical. 25 cts. each, \$2.25 per doz.

Tampers

Sawco Iron Sod Tamper.

Used when laying turf and for compacting the sod after frost. The Tamper is square and is furnished complete with a 4-foot handle.

Size	Weight	Price
8 x 8-in.	14 lbs.	\$2 50
10 x 10-in.	18 lbs.	3 00

Spike Tamp

An indestructible, combined Perforator and Tamper made of malleable iron. Can be quickly converted from Spiker to Tamper and reverse by loosening one nut. Plates 9 in. square. Spikes $1\frac{1}{4}$ in. long tapering. Overall length 4 ft. Weight 13 lbs. \$5.



Celery-bleaching Tubes

The Handler is placed around the celery plant, the tube is slipped in place and the Handler removed.

14 in. high. \$0 75 \$4 50 \$18 50

Handlers for use in placing tubes: Brass, \$3; Tin, \$1.



Barclay Tree Tub

Made of seasoned Virginia white cedar, bound with galvanized wire hoops.

Inside Top Diam.	Inside Depth	Each
8 in.	8 in.	\$0 85
10 in.	10 in.	1 00
12 in.	11 in.	1 50
14 in.	13 in.	2 25
16 in.	15 in.	3 00
18 in.	17 in.	4 00

New York Cedar Plant Tub

Made of selected Virginia white cedar, painted green; iron legs and handles black.

Inside Top Diam.	Inside Depth	Each
12 in.	10 1/2 in.	\$4 50
14 in.	12 1/2 in.	5 75
16 in.	14 1/2 in.	6 50
18 in.	16 1/2 in.	8 00
20 in.	18 1/2 in.	9 75
24 in.	22 1/2 in.	12 50

Green Iron Flower Vases

No.	Height	Top Diam.	Each	Doz.
No. 1.....	10 in.	4 3/4 in.	\$0 65	\$6 50
No. 2.....	12 in.	6 1/2 in.	75	7 50
No. 3.....	13 1/2 in.	6 1/2 in.	85	8 50
No. 4.....	15 in.	6 1/2 in.	90	9 00
No. 5.....	17 in.	6 1/2 in.	1 00	10 00

U-Mix-It

A pulverized high-melting-point asphalt blended with Gilonite. Mixed with stone accumulated in the garden, it will make a permanent garden path. Simply mix material with sand and white gasoline. Five pounds will cover 15 to 20 square feet 1/4 inch thick. 5 lbs. 75 cts., 15 lbs. \$1.50, 100 lbs. \$8.

Twines, Tape, and Raffia

Silkline. F, fine; FF, medium; and FFF, coarse. Spool 40 cts., box of 8 spools \$3.

Green Tying Tape. Cotton, 1/4 inch wide. Strong. Non-injurious to plants. Spool of 72 yds., 35 cts. each, \$3.85 per doz.

Bouquet Twine. White. 2 3/4 oz. ball 20 cts., lb. \$1, 5 lbs. \$4.75.

Sea Island Cotton. Green. Ball 25 cts., box of 8 balls \$1.50.

Twine, Soft Jute. For tying vines, etc., without danger of bruising. Very strong. 3-ply. **Natural.** 1/2-lb. ball 25 cts., 3 balls 60 cts., 12 balls \$2. **Dyed Green.** 1/2-lb. ball 35 cts., 3 balls \$1, 12 balls \$3.50.

Sisal Twine. 5-lb. ball \$1.75.

Binder Twine. 5-lb. ball \$1.

Tarred Yarn. Excellent, low-priced material for raspberries, shrubs, etc. Ball (1 lb.) 50 cts., 5 balls \$2.25.

Raffia. **Natural.** For tying plants. 1/2 lb. 40 cts., lb. 65 cts., 5 lbs. \$3. **Dyed Green.** 1/2 lb. 75 cts., lb. \$1.25.

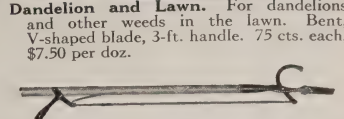


Plant-Twists. Dyed green. Non-injurious to plants. A simple twist of the hand and the plant will stand. 7 inches long, 15 cts. for 25; 50 cts. per 100. 12 inches long, 30 cts. for 25; \$1 per 100.

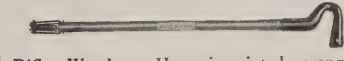
Twist-Erns. New quick plant-tie. Easier than using twine or raffia. Made of paper tape with wire running through center. 8-in. (box of 125) 25 cts.; 16-in. (box of 125) 50 cts.

Weeders

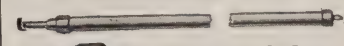
Dandelion and Lawn. For dandelions and other weeds in the lawn. Bent, V-shaped blade, 3-ft. handle. 75 cts. each, \$7.50 per doz.



Cleveland Lawn. A pleasure to use. Fine mechanical Weeder for the lawn. Blade pierces soil, toothed jaw grasps weed. \$2.

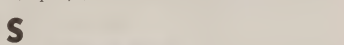


Rifle Weeder. Has six-pointed prongs which grasp the weed tightly around the root. Trigger action on handle releases weed. Long enough to conveniently remove weeds in standing position. \$2.85.



Noxweed Cane

End Section
Made of tubular brass. Holds about 6 ounces of liquid. Ejects a fluid by drops from needle point that will destroy Dandelions, Plantains, and many other weeds. Simply press point of gun into the crown of weed lightly. Gun is easily filled with Noxweed Liquid by pouring into the tube at the top of the cane, and replacing cap. Ring on cap permits hanging on nail or hook—always ready for use. No stooping, no digging, no holes in the lawn. Gun complete with 1 qt. Liquid, \$2.50. Extra Liquid, 75 cts. per qt.



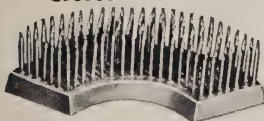
FLOWER HOLDERS

No. 100 Flower Holder Assortment

Contains three spike design holders 1 1/2 inches, 2 1/4 inches, and 2 3/4 inches. Spikes are evenly spaced in circular formation; 5/8 inch long. \$1.50.

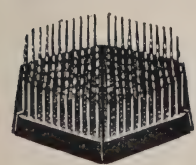


Crescent Holder



No. C-9. 3 1/2 inches long by 1 1/2 inches wide. Spikes 5/8 inches long. Three of these will make a complete 4-inch diameter circle. 50 cts.

Hexagonal Holder



No. C-6. Hexagonal in shape, 3 1/2 inches across. Is especially designed in six 1 1/4 inch triangles interlocking, permitting its use in part or whole. Spikes are 5/8 inch long. \$1.50.

Made of rustproof metal and specially weighted. They stand in water and enable you to display your flowers in natural prize-winning manner. We offer the following designs. You should have several on hand so you can use those most appropriate.



Wonder Holder

No. 101-W. 1 1/4 inches in diameter by 2 inches high, with twelve copper spiral holders each 1/2 inch in diameter. Base specially weighted and rustproof. The copper spirals on this Holder can be slightly lifted higher or bent side to side with ease. 50 cts.

No. 102-W. Same as No. 101-W in design but is 2 1/2 inches in diameter and has 18 copper spirals. 75 cts.

Adjustable Ring Holder

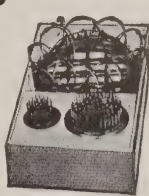


No. A-4. Rustproof and weighted; 4 inches in diameter. Is adjustable from 1 1/2 to 3 1/4 inches—three different positions. \$1.

No. A-8. Same design as No. A-4 but the diameter is 3 1/4 inches. \$1.50.

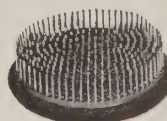
No. 150 Flower Holder Assortment

Contains 1 spike design 1 1/2 inches, 1 spike design 2 1/4 inches, and 1 adjustable ring holder 4 inches in diameter. Spike holders have 5/8-inch spikes while the ring-holder is adjustable from 1 1/2 inches to 3 1/4 inches high. \$2.



Round Holder

No. 00-C. 1-in. diam., 5/8-in. spikes. 25 cts.
No. 0-C. 1 1/2-in. diam., 5/8-in. spikes. 30 cts.

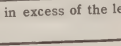


No. 1-C. 1 3/4-in. diam., 5/8-in. spikes. 35 cts.
No. 2-C. 2 1/4-in. diam., 5/8-in. spikes. 50 cts.
No. 3-C. 2 3/4-in. diam., 5/8-in. spikes. 60 cts.
No. 5-C. 4-in. diam., 5/8-in. spikes. \$1.25.



Oval Holder

No. 8-C. Oval shape; 3 1/2 inches long, 1 3/4 inches wide; 5/8-inch spikes. 60 cts.



Prices of items in this Catalogue that are subject to PRICE CEILINGS are not in excess of the legal maxima established by the Office of Price Administration.

NEW YORK CITY

We deliver all merchandise within 50 miles of New York. Purchaser pays transportation on Implements to points beyond

Implements 107

SAWCO SPECIAL PLANT-FOODS

Note. Fertilizers over \$2 in value are delivered free within 50 miles of New York City.

EMERALD GRASS FERTILIZER. A well-balanced organic plant-food for fine lawns. Use 4 pounds per 100 square feet or 1750 pounds per acre on existing lawns and double these quantities for new work. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

ROSE FOOD. Combines plant-food and ingredients to control most plant-pests. Dust fairly light around plants and work into soil. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

GENERAL GARDEN FERTILIZER. Use 5 pounds per 100-foot row of vegetables once monthly or 5 pounds per 100 square feet broadcasted on flowers and fruits. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

DAHLIA FOOD. Specially prepared for dahlia and other tuberous-rooted plants. Mix handful with soil before setting tubers and make several top-dressings during the season. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

SAWCONURE. All organic. Spent Peat Moss and Chicken Manure. Air-dried. In preparing new land use 5 pounds per 100 square feet and for existing lawns and top-dressing 2½ pounds per 100 square feet. 50 lbs. \$3, 100 lbs. \$5, 500 lbs. \$20, 1000 lbs. \$37.50, ton \$70.

ACIDULOUS FERTILIZER. A plant-food and soil-acidifier for rhododendrons, azaleas, laurel and other acid-loving plants. Use ½ pound to the square yard and work very lightly into soil. 5 lbs. \$1, 10 lbs. \$1.75, 25 lbs. \$3, 50 lbs. \$4.50, 100 lbs. \$8, 500 lbs. \$35.

The Treewiz Cartridge

A slowly available, high-analysis tree-food in cartridge form for restoring weakened trees and shrubs to their natural healthy state. Carton (4 large tree-food cartridges) for shade and fruit trees, \$1; \$20 per 100 cartridges. Carton (8 small tree-food cartridges) for evergreens and shrubs, \$1; \$9.50 per 100 cartridges. Also in bulk. 5 lbs. \$1, 10 lbs. \$1.50, 25 lbs. \$3, 50 lbs. \$5, 100 lbs. \$8, 500 lbs. \$35.

FERTILIZERS, MANURES, SOIL INGREDIENTS

Adco. Add it to garden refuse, leaves, grass clippings to make manure. 7½ lbs. \$1, 25 lbs. \$2.25, 150 lbs. \$10.50.

Aluminum Sulphate. Makes soil acid. Use 1 pound per square yard. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6.

Ashes, Hardwood. Furnish potash. Use 10 pounds per 100-foot row of vegetables. 5 lbs. 75 cts., 25 lbs. \$2, 100 lbs. \$5, barrel (about 200 lbs.) \$8.

Blood, Dried. High in organic nitrogen. 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$5, 100 lbs. \$15.

Bonemeal. For vegetables and flowers. Use 5 pounds per 100 square feet, 2000 lbs. per acre. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

Bone Vineyard. ¼ to ½-inch pieces. For grape-vines and fruit trees. 25 lbs. \$3, 100 lbs. \$8.

Cattle Manure, Shredded. Soil-builder and mulch. 100 lbs. \$6, 500 lbs. \$27.50.

Charcoal. Sweetens and lightens sour and heavy land. Use 5 pounds per 100 square feet. 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50.

Clay's Fertilizer. 7 lbs. \$2.50, 14 lbs. \$3.50, 28 lbs. \$5.25, 56 lbs. \$9.50.

Cottonseed Meal. For lawns and acid-loving plants. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 100 lbs. \$6.

Fertera. Plant-food in tablets for pot-plants. 100 tablets 75 cts., 1000 tablets \$3.50.

Floralife. Makes cut-flowers stay fresh. Pkt. 35 cts.

Kem. Complete liquid plant-food. Use 1 tablespoonful to 2 quarts of water. Qt. 60 cts., gal. \$1.25.

Climax Lawn Sand. Eradicates chickweed and mouse-ear. 3½ lbs. \$1, 7 lbs. \$1.85, 14 lbs. \$3.25, 28 lbs. \$6, 56 lbs. \$10.

Horn Dust. Rich in ammonia. For potting. 100 lbs. \$7.

Legume-Aid. Nitrogen-fixing bacteria. Small seed: ¼-bus. size 30 cts., bus. size 50 cts., 2½-bus. size \$1. Large seed: 1-bus. size 35 cts., 2-bus. size 65 cts., 5-bus. size \$1.25. Garden-size pkt. 35 cts.

Lime, Agricultural Hydrated. Sweetens the soil. Use 5 pounds per 100 square feet, 2150 pounds per acre. 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1.25, 50 lbs. \$2.25, 100 lbs. \$3.50, 500 lbs. \$15, ton \$32.50.

Limestone, Pulverized. 10 lbs. 50 cts., 50 lbs. \$1.75, 100 lbs. \$2.50, 500 lbs. \$10, ton \$25.

Muriate of Potash. For potatoes and root-crops. Use 1½ pounds per 100 square feet. 5 lbs. \$1, 10 lbs. \$1.75, 25 lbs. \$3, 100 lbs. \$8.

Nitrate of Soda. Nitrogen in immediately available form for lettuce and other leafy vegetables. Use 1 ounce to a gallon of water as liquid or 1½ ounces to a square yard dry. 1 lb. 25 cts., 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2.

Salt, Agricultural. For asparagus beds. 100 lbs. \$3.25, 500 lbs. \$11.

Sand. Steamed and Sterilized. For use in starting seeds and cuttings. 25 lbs. \$1, 100 lbs. \$3.

Sheep Manure. Use liberally in the vegetable and flower-garden, also as liquid manure; 5 pounds per 100 square feet, 2000 pounds per acre. 5 lbs. 60 cts., 10 lbs. \$1, 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$5, 500 lbs. \$23.50, 1000 lbs. \$40, ton \$70.

Stimuplant. Fertilizer in tablet form. 30 tablets 30 cts., 100 tablets 75 cts., 1000 tablets \$3.50.

Sulphate of Potash. 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$5.

Super-Phosphate. Use freely. Supplies valuable phosphoric acid. 5 pounds per 100 square feet. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$4.50, 500 lbs. \$17.50, ton \$40.

Take-Hold. A concentrated plant-food, water-soluble. Ideal for shifting pot-grown and bare-root plants. Dissolve 3 ounces to 3½ gallons water or 3 lbs. to 50 gallons water. 6-oz. bottle 35 cts., 20 ozs. \$1.

Tanbark, Spent. For bridle-paths, garden paths and around rock-gardens. 100 lbs. \$5, 500 lbs. \$23.50, ton \$65.

Tankage (Blood and Bone). 100 lbs. \$8.

Tobacco Fertilizer. Rich in potash. Helps deter soil insects. 50 lbs. \$3, 100 lbs. \$5, 500 lbs. \$23.50.

Tobacco Stems. Excellent as a mulch; deters soil insects. Use 25 pounds per 100 square feet. Bale (about 100 lbs.) \$4.50, 5 bales \$18.50.

Urea. Contains 46 per cent water-soluble nitrogen. 5 lbs. \$1.25, 10 lbs. \$2.25, 25 lbs. \$4.50.

Victory Garden Fertilizer. Specially prepared for the non-commercial production of vegetables and small fruits. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$5.

Vitamene (Vitamin B). Germinates seed earlier and cures ill and scrawny plants. 50 tablets \$1, 150 tablets \$2.50, 350 tablets \$5.

Humus, Peat Moss, Etc.

Mulch-o-Nure. Mixture of tobacco, peat, and plant-foods. Spread 1 inch thick around roses, grapes, shrubs, lilies, etc. Keeps roots cool, retains moisture, deters insects. 100 lbs. \$6, 500 lbs. \$27.50, ton \$75.

Humus. Soil ingredient, improving its texture, increasing its water-holding properties. For renovating old lawns, 100 pounds to 100 square feet. Double this quantity for making new lawns. 10 lbs. 50 cts., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$10.50, ton \$30.

Leaf-Mold. Used for preparing rhododendron beds and as an ingredient in potting soil. 100 lbs. \$4.50, 500 lbs. \$18.50, ton \$50.

Moss, Sheet, Green. LIVE, bag (about 10 lbs.) \$5. DYED GREEN, dry, \$7.50.

Moss, Dry Sphagnum. Large bale \$4.

Peat, Osmundi. For orchids. Bag \$5.

Peat Moss, American. A sedge peat far superior to imported. Ideal for winter mulching of rose-beds, perennials and shrubs. Use liberally when making new lawns. In large cases (150 lbs.) \$4, 5 cases \$18.50, 10 cases \$35.

Peat Moss, Imported. In large bales (approximately 15 bus.) \$5, 5 bales \$23.75, 10 bales \$45, cartons (2 bus.) \$1.25, ½ bale (approximately 7½ bus.) \$3.

Sawco Soil. Ideal for filling window-boxes, flower pots, greenhouse benches and for city gardens. 5 lbs. 35 cts., 25 lbs. \$1.25, 100 lbs. \$3, 500 lbs. \$10, ton \$25. In bulk, three tons (minimum quantity), \$18.50 per ton; 4 to 9 tons, \$16.50 per ton.

Root-Forming Chemicals

HORMODIN "B" POWDER. In three strengths to simplify the rooting of cuttings.

No. 1 (for most house and greenhouse plants such as carnations, chrysanthemums, roses, poinsettia, etc.) Pkt. 25 cts., 1¼-oz. jar 50 cts., lb. \$3.

No. 2 (for shrub cuttings). 1¼-oz. jar 75 cts., lb. \$4.50.

No. 3 (for cuttings of evergreens and hardwood trees, and also bulbs). 1-oz. jar \$1, ½lb. \$4.50.

Combination package of Hormodin Powders No. 1, No. 2, and No. 3, 1 oz. complete 75 cts.

Rootone, Powder. 2-oz. jar \$1, lb. jar \$5.

Remedies for Insects and Fungus

NOTE: On orders for Insecticides and Fungicides over \$2 in value, with exception of 30- and 50-gal. drums and items not listed in our Catalogue, we prepay to points within 50 miles of New York City. If value of order is \$2 or less, or if shipment is made beyond 50 miles of New York City, customer pays transportation charges on arrival. We send by express items not mailable.

Due to the shortage of containers we are charging them to you at cost extra, which amount will be refunded upon return of container to us at New York, charges prepaid. 5-gal. can or keg \$1, 25 or 30-gal. drum \$4, 50 or 55-gal. drum \$5.

Ant Bait (Magikil Jelly). Press tube and allow $\frac{1}{4}$ inch of the jelly to rest on side of ant-hill. Apply every 4 feet around the house, garden, or lawn. 1-oz. tube 35 cts., 3-oz. tube 85 cts., $\frac{7}{8}$ -oz. tube \$1.75.

Ant Powder. Rids lawns and shrubbery of ants. Simply dust lightly around the infested areas. 3 ozs. 35 cts., lb. \$1.25.

Ant Traps. A metal container with safety feature. Can be used indoors as well as outdoors. 25 cts. each, \$2.75 per doz.

Arsenate of Lead. (Powder.) For chewing insects. 2 level teaspoonsful to 1 qt. water, 2 lbs. to 50 gals. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 4 lbs. \$1.35, 24 lbs. \$5, 48 lbs. \$8.25.

Black-Leaf 40. Nicotine sulphate; for sucking insects. 1 teaspoonful to 1 gal. water, 1 oz. to 6 gals. Oz. 35 cts., 5 ozs. \$1, lb. \$2.50, 2 lbs. \$3.70, 5 lbs. \$6.90, 10 lbs. \$11.65.

Bordo-Mixture. (Dry Powder.) For most all fungous diseases. Use 5 tablespoonsful to 1 gallon of water, 8 pounds to 50 gallons. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 4 lbs. \$1.35, 24 lbs. \$5, 48 lbs. \$8.25.

Borerkill. Jelly; kills borers. Tube, with needles for introducing into stems, 60 cts.

Calcium Chloride. Used on paths, driveways, tennis courts, playing-fields. Keeps down dust and weeds. Use one pound per 10 square feet. 100 lbs. \$3, 400-lb. drum \$10.

Carbon Disulphide. Poisonous and explosive. For ants in lawn and walks. Apply to ant-hills with funnel. A tablespoonful to each ant-hill. 1-lb. can 75 cts., 5 lbs. \$3.

Cartridges for Sawco Hose Sprayer Gun
Arsenate of Lead Dormant Oil Spray
Bordeaux Japanese Beetle Spray
Mercury Plant-Food Spray
Copper-Nicotine-Arsenate Spray
Nicotine 35 cts. each, \$4 per doz.

Casein Spreader. A milk product. Recommended as a Spreader for Arsenate of Lead, Bordo Mixture, etc. 2-lb. pkg. 60 cts.

2% Ceresan. For the control of diseases on narcissus and bulbous iris. Lb. 75 cts., 20 ozs. 94 cts., $\frac{4}{4}$ lbs. \$3.14, 5 lbs. \$3.30, 25 lbs. \$14.50, 100 lbs. \$52.

New Improved Ceresan. For control of bunt or stinking smut of wheat, oats, barley and sorghums. One ounce treats 2 bushels of seed; 1 pound, 32 bushels. 4 ozs. 30 cts., lb. 80 cts., 4 lbs. \$2.70, 5 lbs. \$3.40, 25 lbs. \$15, 100 lbs. \$55.

Chaperone. (Liquid.) For outdoor use. Spray on hedges, garbage cans or other places from which you want to keep dogs away. Rains will not reduce its efficacy. Use as is from the bottle in a small sprayer. 4 ozs. 50 cts., 12 ozs. \$1.

Chinchex. For chinch-bugs and their larvae in lawns. Will not burn. 3 lbs. per 100 sq. ft. 5 lbs. \$1.50, 25 lbs. \$6.25, 100 lbs. \$20.

Climax Lawn Sand. A combination of chemicals. Destroys weeds in lawns. Use 5 ozs. per square yard. 3 $\frac{1}{2}$ -lb. can \$1, 7-lb. can \$1.35, 14-lb. can \$3.25, 28-lb. pkg. \$6, 56-lb. keg \$10.

Copper Solution, Ammoniated. For control of mildew and black-spot on roses. Does not disfigure foliage of plants. Use 1 $\frac{1}{2}$ teaspoonfuls to 1 pint of water, 3 tablespoonfuls to 1 gallon. For greenhouse use, and on tender plants, one-half the strength. $\frac{1}{2}$ pt. 75 cts., qt. \$2, gal. \$6.

Copper Sulphate, Crystal. The principal ingredient used in Bordo. For mildew and blight. Use 4 ounces to 3 $\frac{1}{2}$ gallons of water plus 4 ounces of Hydrated Lime, or 4 pounds to 50 gallons plus 4 pounds of Hydrated Lime. Agitate while spraying. Lb. 35 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$5, 100 lbs. \$15.

Crow Repellent. Seed-preserver for corn. Small can, enough for 1 bus., 60 cts., large can, enough for 2 bus., \$1.

Cyanogas Ant Killer. A powder that flows freely. Use outdoors only. Simply insert spout of can and pour into ant-hill. Cover hole. 4-oz. can 30 cts., \$3.25 per doz.

Cyanogas A Dust. Gas kills ants, rats, moles, and woodchucks instantly. Use outdoors only. The Sawco Sr. Dust Gun shown on page 104, fitted with rubber hose, is specially recommended for applying this material. $\frac{1}{2}$ lb. 45 cts., lb. 75 cts., 5 lbs. \$3, 25 lbs. \$10, 100 lbs. \$25. Dust Gun \$3. Foot Pump for large users, \$7.50.

Cyanogas C Fumigant. Generates deadly hydrocyanic acid gas. Controls aphids, thrips, white fly. Scatter on greenhouse walks and close the house for the night. 5 lbs. \$3, 25 lbs. \$10, 100 lbs. \$25.

Dual-Fix. Nicotine dust for dahlia- and corn-borers. Apply when eggs hatch. Repeat four times, five days apart. Lb. 50 cts., 5 lbs. \$2.

Dutox. For leaf-eating insects. 2 level teaspoonfuls to 1 gal. water, 3 lbs. to 100 gals. Lb. 40 cts., 6 lbs. \$2, 50 lbs. \$14.

Easol. A neutral liquid compound which will increase the effectiveness of most spray materials. 4 ozs. 35 cts., pt. \$1.

Fish-Oil Soap. For mild forms of scale and soft-bodied insects where something stronger cannot be used. Good plant-wash. 1 teaspoonful to 1 qt. of water, 1 lb. to 10 gals. Lb. 30c., 5 lbs. \$1.25, 25 lbs. \$4, 100 lbs. \$13.

Formaldehyde, Liquid. Principally used for fungus and rot on oats, barley, rye, wheat, millet, sorghums, cucumber, and lettuce. Also very effective against scab and black scurf on seed potatoes. Use 2 tablespoonfuls to 1 gallon of water, 1 pint to 15 gallons. 1-pt. bottle \$1.

Gator Hives. For crickets, silver-fish, waterbugs and roaches. Merely place Gator Hives around the premises and you will rid same of these pests. Very economical and clean to use. No messy powders or sweeping up after each operation. Box of 3 hives 35 cts.

Gladiolus Thrip Spray. (Powder.) Effective during growing season. Use 1 teaspoonful to 1 quart water, 1 pound to 10 gallons. Lb. 75 cts., 5 lbs. \$3.

Go-West. A bait. Specific eradicator for strawberry root weevil, cutworms, slugs, snails, sowbugs, earwigs, and grasshoppers. 10 lbs. \$3, 50 lbs. \$12.

Graftex. A new grafting compound. Can withstand extreme summer heat or severe winter cold. $\frac{1}{2}$ -lb. can 50 cts., 5 lbs. \$4.25.

Grafting Wax. Used for grafting, budding, top-working, etc., of all trees. $\frac{1}{2}$ lb. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. 65 cts.

Grafting-Wax Melter. $\frac{1}{2}$ -gal. size \$6.25, gal. size \$7.25.

Hellebore. (Powder.) Kills currant worms. $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.

Hortex. A 1 per cent rotenone dust for sucking and chewing insects, combined with colloidal sulphur to act as a fungicide and lengthen the period of effectiveness. Non-poisonous. Lb. 50 cts., 5 lbs. \$2, 25 lbs. \$8, 100 lbs. \$27.50.

Iron Sulphate. Controls dandelions, plants, and other weeds in acreage turf. Dissolve 275 pounds in 150 gallons of water and spray one acre. Repeat every two weeks till the weeds disappear. 5 lbs. \$1.25, 25 lbs. \$4, 100 lbs. \$12.

Japanese Beetle Dust and Spray. Contains 3 $\frac{1}{4}$ per cent rotenone, with spreading agent. For chewing and sucking insects, particularly for Japanese beetle. 1 teaspoonful to 1 qt. water, 1 lb. to 25 gals.; or use as a dust. Lb. 75 cts., 5 lbs. \$3.

Kiln Dead Spray. Insecticide and plant-wash for roses, chrysanthemums, and evergreens; also tender plants under glass. Use 1 tablespoonful to 1 quart water, 1 gallon to 20 gallons. $\frac{1}{2}$ pt. 40 cts., qt. \$1, gal. \$3, 5 gals. \$10, 30 gals. \$55, 50 gals. \$85.

Lemon Oil. For mealy bug, thrip and red spider. 3 tablespoonfuls to 1 qt. water, $\frac{1}{2}$ pt. to 2 gals. Qt. \$1.25, gal. \$3.50.

Lime, Chemical. For use with Arsenate of Lead, Bordeaux, and many other sprays. Also for whitewashing. 5 lbs. \$1, 25 lbs. \$3, 100 lbs. \$7.50.

Lime-Sulphur, Dry. For San José scale, peach-leaf curl, and blister mite. Use 3 level tablespoonfuls to 1 quart of water or 12 pounds to 50 gallons of water. For summer spraying against apple and pear scab, use slightly less than half of the above quantities. Lb. 40 cts., 5 lbs. \$1.50, 10 lbs. \$2.50, 25 lbs. \$5, 100 lbs. \$17.50.

Lime-Sulphur (Liquid). For San José scale and apple scab. Use 4 tablespoonfuls to 1 quart of water, 1 gallon to 9 gallons of water when plants are dormant. Qt. 50 cts., gal. \$1.25, 5 gals. \$3.50, 30-gal. bbl. \$10, 50-gal. bbl. \$14.

Loro. For red spider, chrysanthemum mite and mealy bug. Effective. Use $\frac{1}{4}$ teaspoonful to 1 gal. water. Pt. \$3, gal. \$13.50.

Lucky Strike Spray Set

A combination insecticide and fungicide for roses, delphiniums and hollyhocks. Kills sucking and chewing insects, and controls mildew, black-spot and fungus diseases. Does not discolor or injure tender foliage and blooms.

No. 1 Set. Makes 16 qts. of spray \$1 00
No. 2 Set. Makes 64 qts. of spray 2 00
No. 3 Set. Makes 150 qts. of spray 3 50
No. 4 Set. Makes 200 gals. of spray 10 00

Magitex Dog Soap. Leaves a very glossy coat, is sweet-smelling, and frees your dog from lice, mites, and ticks. 4-oz. bottle 60 cts.; 8-oz. bottle \$1.

Magnesium Arsenate. For the Mexican bean beetle. 6 teaspoonfuls to 1 gal. water, 2 lbs. to 100 gals. 2 lbs. 80 cts., 4 lbs. \$1.50, 8 lbs. \$2.75.

Molo. A mole remedy in tablet form. Place a tablet in runway every 6 feet. Poison-handle with gloves. Box of 12 tablets 35 cts., \$3.50 per doz. boxes.

NEW YORK CITY

We deliver Insecticides and Fertilizers over \$2 in value within 50 miles of New York. Purchaser pays transportation to points beyond

Remedies for Insects and Fungus

NOTE: On orders for Insecticides and Fungicides over \$2 in value, with exception of 30 and 50-gal. drums and items not listed in our Catalogue, we prepay to points within 50 miles of New York City. If value of order is \$2 or less, or if shipment is made beyond 50 miles of New York City, customer pays transportation charges on arrival. We send by express items not mailable.

Due to shortage of containers we are charging them to you at cost extra, which amount will be refunded upon return of container to us at New York, charges prepaid, 5-gal. can or keg \$1, 25 or 30-gal. drum \$4, 50 or 55-gal. drum \$5.



MOLEFUME

Molefume. A non-poisonous cartridge that liberates a deadly smoke. Very effective against moles, rats, gophers, woodchucks, hornets and wasps. Non-injurious to vegetation. Harmless to humans and pets. Use one cartridge every 15 to 25 feet. Box of 6 cartridges 90 cts., 5 boxes \$4.25, 10 boxes \$8. (Individual cartridges 20 cts. each.)

Mouse Cereal. Seeds impregnated with poison. A quick, easy way to get rid of mice. 2½-oz. pkg. 35 cts., \$3.50 per doz.

Naphthalene Flakes. For gladiolus thrips. Intermix at the rate of 1 ounce to 100 cts. in a bag or box when storing. Also dust bulbs at planting time. Lb. 35 cts., 5 lbs. \$1.50, 25 lbs. \$5.50, 100 lbs. \$18.

Nico-Fume Liquid. Free nicotine. For killing most soft-bodied insects. Lb. \$2.75, 4 lbs. \$6.50, 8 lbs. \$11.50.

Nico-Fume Powder. A 1-lb. can will fumigate 25,000 cubic feet. ½ lb. 60 cts., lb. \$1, 5 lbs. \$3.75, 10 lbs. \$6.50.

Nomole. An impregnated, poisoned seed-bait. Pour a spoonful every few feet in the runway. 14-oz. can \$1.35.

Noxweed. Poison. Apply by watering-can or sprayer. Harmless to stone, woodwork or shoes. One thorough application will destroy all vegetation. A quart diluted treats 200 square feet and 1 gallon, 800 square feet. Qt. 75 cts., gal. \$2, 5 gals. \$8, 10 gals. \$14.50, 20 gals. \$36, 55 gals. \$55.

Paris Green. Poisonous. For chewing insects. Ingredient used in bran bait. ¼ lb. 20 cts., ½ lb. 40 cts., lb. 65 cts., 5 lbs. \$3.

Para-Dichlorobenzene. For peach borer attacking trees four years and older. One ounce for each tree. Lb. 75 cts., 5 lbs. \$3.50, 10 lbs. \$6.

Poison Ivy Lotion. Developed by physicians of the Public Health Service. 50 cts.

Poison Ivy Preventative. A vanishing cream which combines with the plant poison rendering it less irritable. Preventative; not a cure. 75 cts.

Pomo-Green. With nicotine, for sucking and chewing insects. Can be used as a dust or spray. Not noticed on foliage. To spray, 10 level teaspoonfuls to 1 quart water or ¼ pound to 1 gallon. Lb. 80 cts., 5 lbs. \$3.30, 25 lbs. \$13.

Purfect Chickweed Eliminator. Kills chick- and other mat-weeds; does not injure grass. One quart in eight parts water covers 450 square feet; 1 gallon, 1800 square feet. Qt. 75 cts., gal. \$2, 5 gals. \$9, 10 gals. \$17, 50 gals. \$60.

Rat Paste. A red squill non-poisonous rat-killer. Effective where poisons cannot be used. Use on bread and chopped meat. No odor when they die. 6-oz. jar \$1.25.

Rat Wheat. Poison wheat grains treated with flavor. Used as is or mixed with chopped meat or fish. 14-oz. pkg. \$1.

Red Arrow Garden Spray. Pyrethrum-roteneo for sucking and chewing insects. Non-poisonous. A teaspoonful to 1 gallon water, 1 ounce to 8 gallons. Oz. 35 cts., 4 ozs. \$1, pt. \$2.85, qt. \$5.50, gal. \$18.

Rotene Insect Spray. Non-poisonous, rotenone-pyrethrum spray. Harmless to fruits, vegetables, and flowers, humans and animals. For chewing and sucking insects. A teaspoonful to 1 gal. water, 1 oz. to 8 gals. Oz. 35 cts., 4-oz. bottle \$1, pt. \$2.50, qt. \$4, gal. \$13.50.

Scalecide. A dormant oil spray. Use on fruit trees, shrubs, and many other plants. Apply at the rate of 2 tablespoonfuls to 1 quart of water, 1 gallon to 15 gallons of water. Qt. 75 cts., gal. \$1.75, 5 gals. \$6.35, 10 gals. \$10.90, 15 gals. \$14.95, 30 gals. \$23.75, 50 gals. \$33.

Scalex. Dormant oil spray for scale on most fruits, shrubs and evergreens. Dilute 3 tablespoonfuls to 1 quart of water, one gallon to 20 gallons. Qt. 65 cts., gal. \$1.65, 5 gals. \$6, 10 gals. \$10, 30 gals. \$20, 50 gals. \$30.

Semesan. A mercurial disinfectant for vegetable and flower seeds or bulbs, to protect against root-rot and damping-off. Applied either as a liquid or dust. Use a pinch to a packet of seed, ½ teaspoonful to 1 pound of seed. 2 ozs. 40 cts., lb. \$2.50, 5 lbs. \$11.40.

Semesan Jr. A dust disinfectant for seed corn. Use 4 level tablespoonfuls to 1 bushel, 1 pound to 8 bushels. 4 ozs. 30 cts., 12 ozs. 56 cts., lb. 75 cts., 5 lbs. \$3, 6½ lbs. \$3.75, 25 lbs. \$12.50, 100 lbs. \$45.

Semesan Bel. For scab and rhizoctonia carried on seed potatoes. Use 1 level tablespoonful to 2½ bushels, 1 pound to 60 bushels. Also very effective on gladiolus corn rot. Soak bulbs in solution of 2 level teaspoonfuls to a gallon of water for 7 hours. 2 ozs. 30 cts., lb. \$1.65, 5 lbs. \$7.15, 25 lbs. \$33.25, 100 lbs. \$125.

Senoled. A compound of lead arsenate and plant-food for grub-proofing lawns and gardens. Destroys Japanese beetles and earthworms. Broadcast at the rate of 3 pounds to 125 square feet, 25 pounds to 1000 square feet; double these quantities for the garden. 5 lbs. \$1.50, 25 lbs. \$3, 100 lbs. \$8, 500 lbs. \$35, 20 \$125.

Snarol. A poisoned bait in powder form for cutworms, sowbugs, snails, and grasshoppers. Dust around plants and along the rows. A 2½-pound package will cover a 100-foot row. Lb. 35 cts., 2½ lbs. 65 cts., 10 lbs. \$1.50, 50 lbs. \$6.50.

Sofyne Liquid Soap. Use with Black-Leaf 40, and others that require spreaders. Increases effectiveness. 5 ozs. 20 cts., qt. 50 cts., gal. \$1.50, 5 gals. \$6.50, 10 gals. \$10.

Sodium Arsenite. Most effective on plantains, dandelions and chickweed. Applications of from 2 to 8 ounces to 1000 square feet have been effective without injury to the grass. Dissolve in water, 1 ounce to 2 gallons or mix 1 ounce to 25 pounds of sand and apply dry. Lb. 50 cts., 5 lbs. \$2, 15-lb. tin \$3.75, 50-lb. drum \$10.50, 100-lb. drum \$20.

Spergon. A non-poisonous organic chemical in yellow powder form for treating seeds against damping off. Stimulates root-growth and produces healthy, vigorous seedlings. 2 ozs. 40 cts., lb. \$2.50, 5 lbs. \$10.

Styptic. To prevent bleeding of vines after pruning. Bottle \$2.

Sulphur, Dusting. 100 per cent pure sublimed. For mildew and rust on most plants. Use as a dust only. Lb. 35 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$4.50, 100 lbs. \$15.

Sulphur, Wettable. For black-spot and mildew. Can be used as a dust or spray. Use 4 teaspoonfuls to 1 gallon of water, 8 pounds to 100 gallons. Lb. 35 cts., 5 lbs. \$1.50.

Sunoco Oil Spray. An oil-spray for dormant trees and shrubs. For San José scale, Euonymus scale, and red spider. Use 2 tablespoonfuls to 1 quart of water, 1 gallon to 15 gallons. Gal. \$1.50, 5 gals. \$6.25.

Thiozan. Brown-patch fungicide—non-poisonous; safe to use. Application rate 2½ ounces per 1000 square feet of turf. 5 lbs. \$6.96, 25 lbs. \$32.55, 100 lbs. \$125.

Thripco. Controls gladiolus thrip and eggs. Use as a dust when storing bulbs—1 ounce to 75 cts., 1 pound to 1000 cts. Treated bulbs are to be stored in open paper bags or slightly ventilated wood boxes. Lb. 35 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$6, 50 lbs. \$10, 100 lbs. \$18.

Tobacco Dust, Kilmdead. Clings to the foliage, killing sucking and soft-bodied insects. Controls chinch-bugs. Use 1 pound per 100 square feet. Lb. 25 cts., 5 lbs. 75 cts., 25 lbs. \$2, 100 lbs. \$6.

Tobacco Stems. For fumigating and placing under benches. High nicotine content. Bale (about 100 lbs.) \$4.50, 5 bales \$20, 20 bales \$50.

Tree Cavity Fill. Add water to make it plastic. Lb. 75 cts., 5 lbs. \$2.50, 25 lbs. \$10.

Tree Wound Paint. Prevents decay. Penetrating, antiseptic; not affected by heat, cold, or moisture. Stops bleeding. Use it in conjunction with Tree Cavity Fill. Pt. 35 cts., qt. 65 cts., gal. \$1.75, 5 gals. \$7, 10 gals. \$13, 30 gals. \$37.50, 50 gals. \$42.

Tree Tanglefoot. A paste; traps crawling insects, gipsy moth, cankerworm, etc. Effective three to four months. One pound covers 18 feet 2 inches wide. For orchards, vineyards and shade trees. 6-oz. can 35 cts., lb. 70 cts., 5 lbs. \$3.30, 10 lbs. \$6.25, 25 lbs. \$13.

Tri-Ogen. A triple-acting spray for roses. Small Kit \$1.50, Large Kit \$6, Estate Kit \$20.

Turpentine. (Pure gum.) For painting greenhouse benches against insects and insect larvae. Also for mixing with paint. Pt. 35 cts., qt. 50 cts.

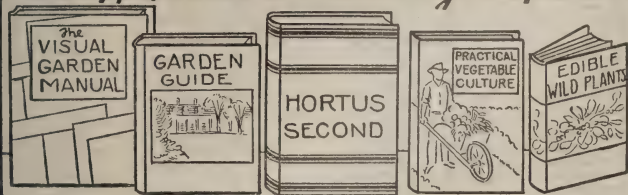
Vermol. For earthworms in lawns. Non-poisonous powder, harmless to animals. Will not injure grass. Apply at the rate of ½ pound per square yard and flood turf immediately. Best results are obtained on warm, damp days. 5 lbs. \$1.50, 25 lbs. \$4.50, 100 lbs. \$10.

Volck, Nursery. A miscible oil spray for control of most scale on dormant trees and shrubs. Very effective against red spider and white fly on evergreens. Qt. 75 cts., gal. \$2.25, 5 gals. \$8.50, 28 gals. \$30.

X-L-All Liquid Insecticide. Imported. For mealy bug, scale, thrip, red spider. Safe on tender plants. 1 tablespoon to 1 qt. water, 1 pt. to 5 gals., 1 gal. to 40 gals. Qt. \$4.50, 1 gal. \$13.50.

Zotax. Kills crab-grass without destroying lawn-grass. A new liquid chemical, kills both the plant and seeds of crab-grass and checks reinfestation. Does away with laborious raking and weeding. Mix with water and spray it on. A 16-ounce bottle treats 2000 square feet. 16 ozs. \$1.50, 32 ozs. \$2.50, 5 lbs. \$4.50.

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Books 111

NEW YORK CITY

VEGETABLE SEEDS	
Artichoke	Page 7
Asparagus	4,90,91
Asparagus-Chicory	8
Beans	3,4
Beet	5
Broccoli	5
Brussels Sprouts	5
Cabbage	6
Cantaloupe	11
Cardoon	5
Carrot	8
Cauliflower	7
Celery	7
Celery Cabbage	7
Celutice	10
Chicory	8
Chinese Cabbage	6
Chives	18
Citron	17
Cocoletti	5
Collards	5
Collections of vegetable seeds	2d cover, 2
Corn	8
Cress	7
Cucumber	7
Dandelion	8
Eggplant	8
Endive	8
Enfleur, French	8
Escarolle	8
Fennel	18
Garlic	11
Gumbo	10
Herbs	18, 19
Horse-Radish	9
Kale	9
Kohlrabi	9
Leek	9
Lettuce	10
Lima Beans	4
Melon	11
Melon, Water	17
Mushroom	9
Muskmelon	11
Mustard	9
Mustard Spinach	9, 15
New Zealand Spinach	15
Okra	10
Onion	11
Parsley	12, 18
Parsnip	12
Pea	13
Pepper	12
Pepper Grass	12
Perpetual Spinach	15
Poi-Tai	6
Planting Vegetable	89
Potato	12
Potato Onion	11
Pumpkin	13
Radish	14
Rhubarb	12, 90, 91
Rhubarb Chard	17
Romaine	10
Rutabaga	17
Salsify	15
Savory Cabbage	6
Sorrel	15
Soy Beans	15
Spinach	5, 21
Sprouts	5, 9
Squash	15
Swiss Chard	15
Tendergreen	9, 15
Tomato	16, 17
Turnip	17
Vegetable Marrow	17
Watercress	7, 18
Watermelon	12
Witloof	8
Wong-Bok	6

Zucchini	
Page	16
Vegetable Plants	
Page	89
FARM SEEDS	
Field Corn, Cereals, Millets, Berberis, Hay and Pasture, Vetches, Cowpeas, Soy Beans and Roots for Stock	20-22
LAWNS	
Lawnspread, Stairgreen, etc.	23-28
Individual Grasses	23-28
FLOWERS	
Flower Seeds	29-58
Herbs	18, 19
Perennials, Aquatics	73-86
Roses	69-72
Vines, Hedges, Shrubs	87-89
Abronia	29
Acanthus	29
Acer	88
Achillea	19, 23, 29, 84
Aconitum	29, 73
Aconitum	86
Acerolium	29
Adam's Needle	57, 84
Aethionema	73
African Daisy	32, 40
Agastache	29
Agrostemma	76
Ajuga	73
Alisma	86
Alkanet	29, 73
Almond, Flowering	88
Aloisia	18
Alpine Strawberries	53
Althea	77, 88
Alum-Root	42
Alyssum	29, 73
Amaranth, Globe	41
Amaranthus	29
Amaryllis	59
Androsace	29
Ampelopsis	87
Amygdalus	88
Anacharis	86
Anagallis	86
Anemone	29, 73
Anemone	29, 73, 84
Anise	18
Anthemium	18, 29, 73
Antirrhinum	30
Antennaria	30, 73
Arabis	29, 73
Arenaria	32
Arenaria	29, 73, 84
Argemone	32
Aristolochia	87
Artemisia	32, 73
Arrow-Head	86
Artemisia	19, 73
Arum	59
Asclepias	32
Asparagus	32
Asperula	19
Asphodeline	32
Aster	31, 33, 74, 81
Asterium	31
Aster, Cornflower	31
Aster, Stokes'	83
Astilbe	74, 82, 83
Aubretia	32, 84
Auricula	80
Avena	41, 76
Azalea	88
Azolla	86
Baby Blue-Eyes	45
Baby's Breath	41, 76
Bachelor's Button	36
Balloon Flower	48, 80
Balloon Vine	32
Balsam	18
Balsam Apple	45
Balsam Pear	45
Baptisia	32, 84
Barberry	87
Barbours	87
Basil	18
Basket of Gold	73
Bean, Hyacinth	40
Beard-Tongue	46, 79
Beard's Broom	29
Bee Balm	18, 45, 79

INDEX

Page	
Begonia	32, 52, 59
Bellflower	35, 43, 46, 48, 74, 80
Belis	32
Berberis	37
Bergamot	18, 45, 79
Betony	18
Bignonia	87
Bird of Paradise	53
Bittersweet	87
Black-eyed Susan	35
Blanket Flower	41, 76
Blazing Star	43, 52, 60, 78
Bleeding-Heart	40, 60, 75
Blue Bonnet	36
Bluebell, California	48
Blue Cowslip	84
Blue Daisy	29
Blue Gentian	41
Blue Marguerite	40
Bluebell of Scotland	35
Bluet	36
Bocconia	32
Boltonia	32, 74
Bonnet	40
Borage	18
Boston Ivy	87
Brachycome	32
Bridal Wreath	88
Browallia	32
Buttercup	29, 73
Butterfly Bush	88
Butterfly Flower	53
Butterfly Lily	32
Butterfly Weed	32
Cabomba	86
Calceolaria	59, 62
Calceolaria	32
Calceolus	38
California Bluebell	48
California Poppy	40
Calla	59, 61
Calliopis	35
Calluna	74
Calceolus	86
Calycanthus	88
Campanula	35, 74
Campion	43, 53, 78, 83
Canary Creeper	32
Candytuft	35, 78
Canna	59
Canterbury Bells	35, 74
Cape Marigold	40
Cape Primrose	53
Castanea	89
Caryopteris	84
Catalpa	89
Ceanothus	32
Cardinal Climber	32
Cardinal Flower	43, 78
Carnation	36, 74
Caryopteris	84
Cassia	89
Cassia-Bean	36
Catananche	32
Catchfly	43, 53, 78, 83
Catnip	18
Cattail	87
Celastrus	89
Celosia	36
Centaurea	36, 84
Cerastium	37, 84
Cerastium	40
Chamomile	18, 73, 79
Chamomile, False	32
Chaste Tree	89
Checkerbloom	53
Cheranthus	37
Chelone	37, 84
Cherry, Jerusalem	89
Chestnut	53
Chilean Bellflower	46
Chimney Bellflower	35
Chinese Bellflower	80
Chinese Forget-me-not	32
Chinese Lantern	48, 84
Chinese Woolflower	36
Christmas Rose	77
Chrysanthemum	37, 78, 84
Chrysanthemum	74
Cigar Plant	89
Cineraria	32
Cineraria, Annual	32
Cinnamon Vine	60
Clarkia	37

Page	
Clary	50, 83
Clematis	87
Cleome	37
Climbing Mignonette	60
Climbing Plants	87
Cobaea	37
Cockscomb	38
Cois	58
Cold Storage Bulbs	64
Coleus	37
Collections, Flower Seed	58
Collections, Perennials	85
Coinia	33
Colocasia	86
Columbine	30, 73
Columberry	87
Coneflower	50, 83
Conium Tree Seeds	58
Convolvulus	42
Coral Bells	42, 77
Coral Flower	37
Coral Lily	62, 65
Corchorus	88
Cordylis	40
Ceropepis	35, 75
Coriander	18
Corn, Striped	58
Cornflower	36
Cornflower Aster	33
Cornus	88
Cornilla	75
Corydalis	37
Cosmos	33, 38
Cotoneaster	49
Cowslip	49
Cowslip, Blue	84
Craneberry-bush	88
Crane's Bill	41, 76
Creeper, Dutch	49
Crimson Thyme	40
Cucumber, Wild	40
Cup-and-Saucer Bell	35
Cup-and-Saucer-Vine	37
Cupflower	46, 38
Cuphea	32
Cypripis's Dart	32
Cyclamen	38
Cydonia	88
Cynoglossum	38, 75
Cyperus	88
Cypress, Ground	83
Cypress, Summer	43
Cypress Vine	38
Daffodil, Peruvian	60
Dahlberg Daisy	32
Dahlia	38, 61, 66-68
Daisy, African	32, 40
Daisy, Blue	29
Daisy, Dahlberg	38
Daisy, English	32
Daisy, Kingfisher	40
Daisy, Michaelmas	74, 31
Daisy, Midsummer	40
Daisy, Painted	40
Daisy, Shasta	37, 75, 80
Daisy, Swan River	32
Daisy, Tahoka	55
Daisy, Transvaal	41, 76
Dane's Violet	42
Daphne	73
Datura	38
Day-Lily	77
Delphinium	39, 75
Delutzia	89
Dienot Pink	89
Dianthus	39, 55, 75, 80
Dianthus	40, 60, 75
Dietamnus	40
Didiscus	40
Digitalis	40, 71
Dimorpha	40
Dioscorea	60
Dittany	40
Dogwood	88
Doronicum	40, 76
Doronicum	40, 76
Dracena	40
Dragonhead, False	48, 84
Duck Weed	86
Dusty Miller	19, 29, 36
Dutchman's Pipe	87
Easter Lily, Hardy	65
Echinocystis	40
Echinops	40, 76
Echinos	35
Edelweiss	41
Egyptian Paper Plant	86
Eichornia	86
Elephant's Ear	59
English Daisy	32

Page	
English Ivy	76
Epimedium	76
Eragrostis	58
Erica	76
Erigeron	40
Eriurus	40
Erodium	84
Eryngium	40
Eschscholtzia	40
Eulalia	58
Eupatorium	40, 76
Euphorbia	40
Evening-Glory	40
Evening Primrose	46, 79, 84
Evening-Scented Stock	45
Everlastings	29, 41, 42, 49, 53, 57, 83
Everlasting Sweet Pea	43
False Chamomile	32
False Dragonhead	48, 84
False Indigo	32, 84
False Wall Cress	32
Fanwort	86
Felicia	40
Fennel Flower	46
Fenugreek	18
Feverfew	45, 49, 79
Flame Flower, Mexican	43
Fish-Grass	86
Flag	77
Flag, Sweet	86
Flag, Yellow	86
Flame Flower	55, 84
Flax	43, 78
Flaxbane	40
Fleur de Lys	77
Floating Heart	86
Florida Paint Brush	32
Flower Flower	32
Flower Arrangement, Plants for	85
Flowering Almond	88
Flowering Quince	88
Flower Seed Collections	58
Flower Seed Mixtures	58
Forget-me-not	45, 79
Forget-me-not, Chinese	38
Forsythia	88
Four-o'clock	40
Foxglove	40, 76
Fringe Flower	53
Fuchsia	41, 76
Fuchsia, Hardy	76
Funkia	76
Gaillardia	41, 76
Garden Heliotrope	56
Garland Flower	75
Gas Plant	40
Gayfeather	43, 78
Gentian	41, 76
Gentiana	41, 76
Geranium	18, 41, 46, 76, 84
Gerbera	41, 76
German Iris	55, 83
Geum	41, 76
Ghost Plant	73
Gilia	41
Ginger Lily	86
Gladiolus	62-64
Globe Anemone	41
Globe Flower	55, 84
Globe Thistle	40, 76
Gloriosa	60
Glossy Starwort	41, 60
Gnaphalium	41
Goat's Beard	83
Godetia	41
Golden Bell	88
Golden Chain	88
Golden Feather	49
Golden Kne	74
Golden Rain	40
Gomphrena	41
Gourds	41
Grass, Ornamental	58
Grevillea	41
Ground Cypress	83
Ground Ivy	79
Groundsel	53
Gynandrium	58
Gypsophila	41, 76
Hamamelis	88
Hardy Ageratum	76
Hardy Geranium	42
Harlequin	35
Harlequin	41
Heal-All	56
Heath	76
Heath, Spike's	84
Heather	74

GARDEN SUPPLIES		INDEX	
	Page		Page
Adeo.....	108	Japanese Beetle Traps and Dust.....	76, 109
Adjusts Plant Supports.....	106	Kem.....	108
Allinone Garden Tool.....	100	Kilmdead Spray.....	109
Ant Remedies.....	109	Knee Pads.....	99
Aprons.....	96	Kneelocator.....	99
Aquatic Nozzle.....	98	Knives, Asparagus.....	99
Arsenate of Lead.....	109	Knives, Pruning.....	99
Asbestos Torches.....	106	Labels.....	99
Asparagus Knives.....	99	Lawncomb.....	100
Asphalt Mixture.....	107	Lawn Mowers, Note re.....	99
Auger, Tree.....	103	Lawn Rollers.....	101
Awning Paint.....	100	Lawn Weeder.....	107
Aze.....	96	Legume-Aid.....	108
Azalea Pots.....	100	Lime.....	108
Bamboo Canes.....	106	Lime-Sulphur.....	109
Bamboo Rakes.....	99	Lime, Garden.....	97
Barrel, Spray.....	105	Lopping Shears.....	103
Barrows.....	96	Lucky Strike Spray.....	109
Baskets.....	96	Manures.....	108
Bean Pots.....	106	Maol.....	108
Beele Traps.....	76	Mats, Hotbed.....	98
Bellows, Dusting.....	104	Mattocks.....	99
Berry or Thinning Hook.....	98	Mole Remedies.....	110
Bird Netting.....	99	Moss.....	108
Bleaching Tubes, Celery.....	106	Mowers, Note re.....	99
Bonemeal.....	108	Mouse Cereal.....	110
Books.....	111	Mulchouner.....	108
Boxes, Flower, etc.....	96	Nails, Wall.....	106
Brackets, Flower Pot.....	106	Naphthalene.....	110
Brush, Caterpillar.....	98	Neopost Pots.....	100
Bulb Pans.....	100	Netting, Bird.....	99
Bulb Planter.....	96	Nico-Fume.....	110
Burners.....	96	Noxweed.....	110
Bush Hook.....	97	Noxweed Cane.....	107
Bush Scythe.....	98	Nozzles, Hose.....	98
Carnes, Bamboo.....	106	Paint.....	86, 97, 100
Carnation Supports, etc.....	106	Para-Dichlorobenzine.....	110
Caterpillar Brush.....	98	Pear Moss.....	108
Cato, Garden.....	96	Pick Mattocks.....	98
Celery Bleaching Tubes.....	106	Plant Jr. Tools.....	98
Cel-O-Glass.....	97	Plant Foods.....	106
Cel-O-Glass Coldframe.....	102	Plant Stakes.....	106
Cereson.....	109	Plant Twists.....	107
Chickenweed Eliminator.....	110	Planter, Bulb.....	96
Chimney Sweep.....	101	Poles for Pruners.....	102
Chinches.....	109	Pots, Flower.....	100
Clay's Fertilizer.....	108	Pots, Watering.....	100
Come-Along Power Unit.....	101	Power Unit, Hand.....	101
Crab-Grass Eliminator.....	101		
Crow Repellent.....	20, 109		
Cultivators.....	97		
Cultivator-Rake.....	100		
Cyanogas.....	109		
Cyclone Seeder.....	101		
Dahlia Poles.....	106		
Dandelion Rake.....	100		
Dandelion Weeder.....	107		
Dibbles.....	97		
Distributors, Fertilizer.....	96		
Dog Repellents.....	109		
Dust Guns.....	104		
Dutox.....	109		
Easol.....	109		
Edgers.....	97		
Fence.....	97		
Feters.....	108		
Fertilizers.....	108		
Fish Oil Soap.....	109		
Flame Gun.....	96		
Flats.....	97		
Floralife.....	108		
Flower Gathering Shears.....	102		
Flower Holders.....	107		
Flower Pots.....	100		
Flower Vases.....	107		
Forks.....	97		
Formaldehyde.....	109		
Frames, Hotbed.....	102		
Fumigants.....	109, 101		
Fungicides.....	109		
Glass, Glazing Materials.....	97		
Gloves.....	98		
Grafting Chisel.....	102		
Grafting Wax.....	109		
Grass Bags.....	97		
Grass Hoe.....	98		
Grass Shears.....	103		
Gun, Glazing.....	97		
Havehart Animal Trap.....	106		
Hay Rakes.....	101		
Hedge Shears.....	102		
Hedge Trimmer.....	102		
Hellebore.....	109		
Hoes.....	97		
Hormodin.....	108		
Hortex.....	109		
Hose.....	98		
Hose Accessories.....	98		
Hotbed Mats.....	98		
Hotbed Sash and Frames.....	102		
Hotkaps.....	98		
Household Kit.....	98		
Humus.....	108		
Ideal Cultivator.....	101		
Incinerators.....	96		
Indelible Ink.....	99		
Insecticides.....	109		
Pro-Tek.....	106		
Pruners, Tree.....	103		
Pruning Shears.....	103		
Pump, Eastern Garden.....	104		
Pump-a-Sprayer.....	97, 100		
Pumpy-Way Cart.....	96		
Rafia.....	107		
Rainmaker Sprinkler.....	105		
Rakes.....	100, 101		
Reel for Garden Line.....	97		
Renovating Rake.....	100		
Respirator, Dust.....	101		
Ribber.....	96		
Rollers.....	101		
Root-forming Chemicals.....	108		
Root Sprayer.....	104		
Rotene.....	110		
Rubber.....	98		
Rubber Repair Kit.....	98		
Rustproof Compound.....	101		
Sanipic.....	102		
Sash, Hotbed.....	102		
Saucers, Pot.....	100		
Sawcure.....	108		
Saws.....	102		
Scalox.....	110		
Scraper, Tree.....	102		
Scythes.....	98		
Scythe Stones.....	98		
Scythook.....	98		
Seed Sowers.....	101		
Seed Starter Set.....	101		
Semesan.....	20, 110		
Senoled.....	110		
Shading, Greenhouse.....	102, 103		
Shovels.....	108		
Shrub Protectors.....	106		
Sieves.....	102		
Signs, House.....	107		
Silkline.....	107		
Snaptap Pruner.....	102		
Snaptap Shears.....	103		
Snarrol.....	110		
Smith, Scythe.....	102		
Snips.....	102		
Sodium Arsenite.....	110		
Sofyne Soap.....	110		
Sod Lifters.....	103		
Sod Soaker.....	106		
Sod Soaker Hose.....	106		
Soil-Testing Outfits.....	103		
Sowrite Seed Sower.....	101		
Spades.....	103, 104		
Spike Roller.....	101		
Spike Tamper.....	106		
Spike, Sod.....	106		
Sprayers.....	104, 105		
Spray Hose.....	96		
Spreaders.....	98		
Sprinklers.....	105		
Stakes, Plant.....	106		
Stimulant.....	108		
Sudbury Soil Outfits.....	103		
Summer Cloud.....	97		
Superphosphate.....	108		
Swing Club.....	98		
Syringes.....	104		
Tampers.....	106		
Tan Bark, Spent.....	108		
Tape.....	107		
Tarred Yarn.....	96		
Thermometers.....	106		
Thiosan.....	26, 110		
Thrip Spray.....	109		
Tobacco Stems.....	108		
Top Lifters.....	106		
Tonkin Canes.....	106		
Tool Sets.....	101		
Torches, Asbestos.....	106		
Traps, Animal.....	106		
Tree Auger.....	103		
Tree Cartridge.....	108		
Tree Pruner.....	103		
Tree Scraper.....	102		
Tree Tubs.....	107		
Tree Wand Paint.....	110		
Tree Wrap.....	107		
Tri-Ogen.....	110		
Trowels.....	106		
Tubs, Plant.....	107		
Turf Lifter.....	97		
Turf Lifters.....	103		
Twines.....	107		
Twist-Em's.....	107		
U-Mix-It.....	107		
Urea.....	108		
Vases, Flower.....	107		
Vermol.....	110		
Vine Supports.....	106		
Vyn-Tach Hooks.....	106		
Vitamine.....	108		
Volck.....	110		
Wall Nails.....	106		
Water-Ballast Rollers.....	101		
Watering Pots.....	100		
Watermat.....	100		
Water Wand.....	106		
Weed Cutter.....	98		
Weeders.....	107		
Weed Killers.....	109, 110		
Wheelbarrows.....	96		
Wheelbarrow Inverter.....	96		
Wrapping Paper.....	99		
Yarn, Tarred.....	107		

TERMS OF BUSINESS

FOR YOUR CONVENIENCE—You can use the order sheet on the right. We also publish an order-book with a complete printing of our flower and vegetable varieties. It is helpful if your list is a long one, and we will mail it on receipt of a card. Please send orders and correspondence to our New York headquarters.

A Check, Bank Draft, Post-Office or Express Money Order may accompany your order, and if you send currency, be sure to use registered mail.

We will be glad to ship seeds, bulbs, and fertilizers C. O. D., but this does not apply to perishable goods, like shrubs or plants, which we cannot send C. O. D. We are glad to open charge accounts on receipt of the usual trade references.

Our prices are net, with no discounts, and always subject to change without notice.

We make no charge for packing domestic shipments, except very fragile food products or vegetable plants less in value than \$3.50, or where special bags are used. We charge for the latter, but allow full credit when they are returned prepaid, with the sender's name and address on the bundle.

EXPORT. We are well equipped to make shipments to distant points, through our Export Department, which will take care of the proper packing, delivery to steamer, and the preparation of the necessary documents. Purchaser pays actual charges for transportation and special packing for export shipments.

NON-WARRANTY. We, Stumpp & Walter Co., give no warranty, express or implied, as to the productiveness of any seeds, bulbs, or plants we sell, and will not be in any way responsible for the crop. Our liability in all instances is limited to the purchase price of the seeds, bulbs or plants.

Experienced gardeners realize that when failures occur—and they should happen but rarely—they usually are due, not to the seed, but to some circumstances of cultivation, soil or climate over which the seedsmen has no control.

Any claim as to shortage, etc., should be made promptly, and it will be adjusted to your satisfaction. Claims should be made within 10 days of receipt of goods; we cannot consider complaints made after this date.

WE DELIVER FREE anywhere in the U. S., at prices shown in this Catalogue, all Grass Seeds and Lawn Mixtures, Flower Seeds, Vegetable Seeds, Bulbs and Books.

WE DELIVER FREE within 50 miles of New York all other merchandise in this Catalogue when the value exceeds \$2 (\$3.50 in the case of Epicure Foods and Vegetable Plants). We send, at our option, by Parcel Post, Express or Freight, to your address or your nearest post office, express office or freight station.

PURCHASER PAYS TRANSPORTATION (on arrival) beyond 50 miles of New York on: Lawnspray, Potatoes, Farm Seeds, Field Corn, Clovers, Cereals, Plants, Roots, Nursery Stock, Roses, Fertilizers, Garden Supplies, Hardware, Insecticides, Fungicides, etc. Within 50 miles of New York, purchaser pays transportation on these items on orders for \$2 or less (\$3.50 in the case of Epicure Foods and Vegetable Plants).

EMPLOYMENT REGISTER. We have qualified men on our books seeking positions as Superintendents, Gardeners or Greenkeepers. Many are known personally to us, and we will be glad to put them in touch with employers seeking experienced help.

Order Sheet 115

ORDER SHEET

[illegible]

IF ANYTHING IS MISSING when you unpack your goods, look for a memorandum either with your merchandise or sent by mail, telling you that some items of the order are to follow later; these may be goods which are not suitable for using right away. Onion sets, roses, and shrubs, for example, are not shipped until it is the proper time to plant them. We sometimes enclose small packages in larger bags of seed or fertilizer.

YOU NEED NOT ENCLOSE CASH with your Order if you have charge accounts with other business houses. List here the stores with which you trade:

We send the merchandise you select without delay, and will mail you an invoice which is payable within thirty days.



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12 WORTHWHILE HARDY MUMS

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TWO BUTTON POMPONS

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60 Plants for . . .
(CATALOGUE VALUE \$22.70)

SEED ANNUAL 1943



Jewels
that will make
your garden sparkle

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- Blue Moon Scabiosa (3)
- Pastel Lilliput Zinnias (4)
- Violet Queen Alyssum (5)
- Limelight Marigold (6)
- Radiance Petunia (7)

For descriptions see pages 29 to 58.

SEED COLLECTION C42: 7 packets,
one each of the above annuals, \$1

Stumpp & Walter Co
NEW YORK CITY